

| Primary Application | Suggested Grade | Resin Type | Key Property for This Use |
|-------------------------|-----------------|------------|---|
| Film | | | |
| Anti-block | Nylene NX3055i | PA6 | Anti-block additive |
| Anti-Static | Nylene NX4702 | PA6 | Anti-static additive |
| Blown Film | Nylene CX3395 | PA6,6/9 | Excellent elongation, good shrink |
| Blown Film | Nylene 609 | PA6 | Tough film, good melt strength |
| Blown Film | Nylene NX3055i | PA6 | High speed casting |
| Blown Film | Nylene 826 | PA6,6/9 | Good shrink |
| Blown Film | Nylene NX3411 | PA6 | Good melt stability |
| Cast Film (anti-static) | Nylene NX4702 | PA6 | Anti static additive |
| Co-extrusion | Nylene 615 | PA6 | Cast or blown film |
| Co-extrusion | Nylene 615i | PA6 | Cast or blown film |
| Co-extrusion | Nylene CX3396 | PA6,6/9 | Excellent elongation |
| Deep Draw | Nylene 826 | PA6,6/9 | Excellent elongation |
| Deep Draw | Nylene CX3395 | PA6 | Excellent elongation |
| Gel Free | Nylene 826 | PA6,6/9 | Low residual monomer |
| Kosher | Nylene 615SA | PA6 | Only Kosher nylon, avail. in other grades |
| Laminating | Nylene NX2011 | PA6 | Coating paper, foil, or plastic |
| Oven cooking bags | Nylene NX3411 | PA6 | Good bubble stability |
| Extrusion | | | |
| Cable Covering | Nylene NX6200 | PA6 | Tough, scuff resistant |
| Compounding | Nylene NX3024 | PA6 | Top grade compounding, excellent color |
| Compounding | Nylene NX1731 | PA6 | Lower cost prime compounding grade |
| Concentrate | Nylene 400 | PA6 | Excellent clarity, lower viscosity |
| Convoluted Tubing | Nylene 2401 HS | PA6,6/6 | Low cost, heat resistance |
| Convoluted Tubing | Nylene 2407 HS | PA6 | Higher flexibility, heat resistance |
| Convoluted Tubing | Nylene 323 | PA6 | Prime high flexibility |
| Convoluted Tubing | Nylene 2403 HS | PA6 | PCR |
| Extrusion Coating | Nylene 609 | PA6 | Good melt strength |
| Fiber | Nylene NX3024 | PA6 | Easy processing |
| Fiber | Nylene 615 | PA6 | Good strength and drawdown |
| Fiber | Nylene NX4780 | PA6 | monofilament |
| Fishing Line | Nylene NX5703 | PA6 | Good strength and flexibility |
| Fishing Line | Nylene NX4780 | PA6 | Better strength and flexibility |
| Monofilament | Nylene NX5703 | PA6 | Good strength and flexibility |
| Monofilament | Nylene CX3482 | PA6 | Good flexibility |
| Monofilament | Nylene NX4780 | PA6 | Better strength and flexibility |
| Netting | Nylene NX5703 | PA6 | good strength and flexibility |
| Non-woven Fabric | Nylene 400 | PA6 | Tight viscosity range, easy flow |
| Non-woven Fabric | Nylene 401D | PA6 | Easy flow, slower set-up |
| Pipe | Nylene 607 | PA6 | Ultra high viscosity (800 RV) |
| Pipe | Nylene 609 | PA6 | Good shape retention |
| Profile extrusion | Nylene 609 | PA6 | Good shape retention |
| Profile extrusion | Nylene NX4301A | PA6 | UV stable black |

| Primary Application | Suggested Grade | Resin Type | Key Property for This Use |
|------------------------------|-----------------|------------|--------------------------------------|
| Extrusion (continued) | | | |
| Profile extrusion | Nylene PX1719 | PA6 | High flexibility |
| Profile extrusion | Nylene 607 | PA6 | Complex shapes, good shape retention |
| Rod Stock | Nylene 607 | PA6 | Ultra high viscosity (800 RV) |
| Rod Stock | Nylene 609 | PA6 | Good shape retention |
| Rod Stock | Nylene 600 | PA6 | Higher flow, fast process |
| Slab | Nylene 600 | PA6 | Higher flow, fast process |
| Slab | Nylene 607 | PA6 | Ultra high viscosity (800 RV) |
| Tubing | Nylene 600 | PA6 | Low viscosity |
| Tubing | Nylene 702 | PA6 | |
| Tubing | Nylene 609 | PA6 | Good shape retention |
| Tubing | Nylene 734 | PA6 | High flexibility |
| Tubing | Nylene PX1719 | PA6 | Most flexible |
| Thread | Nylene NX3024 | PA6 | Easy process, good color |
| Wire Insulation | Nylene NX6200 | PA6 | Tough, scuff resistant |

Rotational Molding

| | | | |
|--|------------|-----|--|
| | Nylene 474 | PA6 | |
|--|------------|-----|--|

Injection Molding

General Applications

| | | | |
|-------------------|----------------|--------|---|
| Injection Molding | Nylene 401 | PA6 | Low RV, internally lubed |
| Bracket | Nylene 5133 | PA6/6 | High stiffness |
| Bracket | Nylene 5143 | PA6/6 | Higher stiffness |
| Bracket | Nylene 5233 | PA6 | High stiffness, better surface |
| Bracket | Nylene 7115 | PA6 | Low warp, better surface |
| Bracket | Nylene 7215 | PA6/6 | Low warp |
| Bracket | Norpex AX30GF | PPO | Low warp, higher stiffness |
| Bushing | Nylene 132 | PA6/6 | Low wear |
| Bushing | Nylene 401 | PA6 | Lower wear |
| Bushing | Nylene 4120 | PA6/6 | Moly filled, lower wear, high flexibility |
| Bushing | Nylene 4121 | PA6/6 | Silicone filled, lower wear, high flexibility |
| Bushing | Duratel MF9 | acetal | Low wear |
| Bushing | Nylene 5133 MF | PA6/6 | High stiffness, moly filled, low wear |
| Bushing | Nylene 7139 | PA6/6 | Nylon 6/6 moly filled, low wear |
| Clips | Nylene 401 | PA6 | Some flexibility, good creep resistance |
| Clips | Nylene 724 | PA6 | More flexible |
| Clips | Nylene 734 | PA6 | Most flexible |
| Clips | Nylene 311 | PA6/6 | More flexible |
| Clips | Nylene 4114 | PA6/6 | Most flexible |
| Encapsulation | Nylene 401 | PA6 | High flow |
| Encapsulation | Nylene 401D | PA6 | Higher flow |
| Fasteners | Nylene 401 | PA6 | Some flexibility, good creep resistance |

| Primary Application | Suggested Grade | Resin Type | Key Property for This Use |
|----------------------------------|------------------------|------------|---|
| Injection Molding | | | |
| General Applications (continued) | | | |
| Fasteners | Nylene 724 | PA6 | More flexible |
| Fasteners | Nylene 734 | PA6 | Most flexible |
| Fasteners | Nylene 311 | PA6/6 | More flexible |
| Fasteners | Nylene 4114 | PA6/6 | Most flexible |
| FDA molding | Nylene 401F | PA6 | FDA compliant |
| Housing | Nylene 6140 | PA6/6 | Low warp, high stiffness |
| Housing | Norpex AX190 | PPO | Low warp |
| Housing | Naxel PC41 | PC | Low warp, transparent available |
| Injection Molding | | | |
| Automotive Applications | | | |
| Door Handle | Nylene 7115 | PA6 | Low warp, good surface |
| Door Handle | Nylene 5233 | PA6 | High stiffness, good surface |
| Door Handle | Nylene 5213 | PA6 | Some stiffness, better surface |
| Electrical Connector | Nylene 434 | PA6 | Flexible, can fill thin sections |
| Electrical Connector | Nylene 5133 | PA6/6 | High stiffness, high heat |
| Electrical Connector | Nylene 5113 | PA6/6 | Some stiffness, high heat |
| Electrical Connector | Norpex AX235 | PPO | Some stiffness, low warp |
| Electrical Connector | Vexel B12U | PBT | Can fill thin sections, low moisture |
| Electrical Connector | Vexel B12GF30 | PBT | High stiffness, low moisture |
| Engine Cover | Nylene 6240 | PA6 | Low warp, heat and chemical resistance |
| Engine Cover | Nylene 401 metallic GY | PA6 | Heat & chem. resistance, metallic color |
| Engine Cover | Nylene 4114 | PA6/6 | Tough, heat & chemical resistance |
| Fan Blades | Nylene 7115 | PA6 | Low warp, high strength |
| Fan Blades | Nylene 6140 | PA6/6 | Lower warp |
| Fuel Filter Housing | Nylene 401C | PA6 | Contact clarity, chemical resistance |
| Fuel Filter Housing | Nylene NX3451 | PA6,6/9 | High clarity, chemical resistance |
| Fuel Filter Housing | Nylene 401D | PA6 | Good clarity |
| Headlamp Bracket | Vexel E20GF30 | PET | Very high stiffness |
| Headlamp Bracket | Vexel E20MG35 | PET | Very high stiffness, low warp |
| Headlamp Bracket | Vexel B12GF30 | PBT | High stiffness |
| Headlamp Bracket | Naxel PC506 | PC | Very high stiffness, low warp |
| Headrest Guide | Nylene 4114 | PA6/6 | High flexibility |
| Headrest Guide | Duratel MF9 | acetal | Low wear |
| Intake Manifold | Nylene 5133 | PA6/6 | High heat, chemical resistance |
| Intake Manifold | Nylene 5233 | PA6 | Easier molding, chemical resistance |
| Light Reflector | Nylene 6240 | PA6 | Low warp, platable |
| Light Reflector | Naxel PC35CV | PC | Low warp, high heat |
| Multi-function Switch | Nylene 7115 | PA6 | Stiff, good surface, good feel |
| Multi-Function Switch | Nylene 401 | PA6 | Tougher, more flexible, good feel |
| Power Steering Reservoir | Nylene NX4728 HS WT | PA6 | Translucent white, easy mold |

| Primary Application | Suggested Grade | Resin Type | Key Property for This Use |
|--------------------------------|-----------------|------------|--|
| Injection Molding | | | |
| Automotive Applications | | | |
| Power Steering Reservoir | Nylene NX4747 | PA6,6/9 | Clearer, high stiffness |
| Power Steering Reservoir | Nylene NX3451 | PA6,6/9 | Unfilled, high clarity |
| Roof Rack | Nylene 7115 UV | PA6 | Low warp, high strength, good surface |
| Roof Rack | Nylene 4114 UV | PA6/6 | High impact resistance |
| Roof Rack | Nylene 5233 | PA6 | Highest strength, good surface |
| Seat Adjuster Levers | Nylene 5213 | PA6 | Higher stiffness, good surface |
| Seat Adjuster Levers | Nylene 401 | PA6 | Good surface, easy mold |
| Seat Adjuster Levers | Nylene 4114-14 | PA6/6 | Higher stiffness, good impact |
| Seat Adjuster Levers | Nylene 5233 | PA6 | Highest stiffness, good surface |
| Seat Adjuster Levers | Nylene 7228 | PA6 | Easy molding, low warp, good surface |
| Seat Belt Components | Nylene 4114 UV | PA6/6 | Highest impact |
| Seat Belt Components | Nylene 421 | PA6 | High impact, stiffer |
| Seat Belt Components | Nylene 401 | PA6 | Some impact, more stiff |
| Seat Belt Components | Nylene 206 | PA6 | Faster cycle, stiffer |
| Seat Pan | Nylene 4114-33 | PA6/6 | Tough with stiffness |
| Seat Pan | Nylene 4214-33 | PA6 | Slightly higher toughness with stiffness |
| Wheel Cover | Nylene 6240 | PA6 | Low warp, high heat, good surface |
| Wheel Cover | Norpex AX265 | PPO | Lower warp, high heat, better surface |
| Wheel Cover | Norpex AX20 MR | PPO | Higher stiffness |

| | | | |
|--------------------------------|----------------------|-------|---|
| Injection Molding | | | |
| Electrical Applications | | | |
| Coil Bobbins | Nylene 5133 | PA6/6 | High heat, high stiffness |
| Coil Bobbins | Vexel B12GF30 | PBT | High heat, high stiffness |
| Coil Bobbins | Vexel E20GF30 | PET | High heat, higher stiffness |
| Electrical Connector | Nylene 434 | PA6 | Flexible, can fill thin sections |
| Electrical Connector | Nylene 5133 | PA6/6 | High stiffness, high heat |
| Electrical Connector | Nylene 5113 | PA6/6 | Some stiffness, high heat |
| Electrical Connector | Norpex AX235 | PPO | Some stiffness, low warp |
| Electrical Connector | Vexel B12U | PBT | Can fill thin sections, low moisture |
| Electrical Connector | Vexel B12GF30 | PBT | High stiffness, low moisture |
| Electrical Housing | Norpex AX190 | PPO | Easy molding, low warp |
| Electrical Housing | Norpex AX220 Hi Flow | PPO | Easy molding, higher toughness |
| Electrical Housing | Naxel PC41C | PC | Low warp, higher toughness, high heat |
| Encapsulation | Nylene 132 | PA6/6 | High flow |
| Encapsulation | Nylene 401D | PA6 | Higher flow |
| Wall Plug | Nylene 451 | PA6 | Easy mold, tough, UL listed |
| Wall Plug Cover | Nylene 451 | PA6 | Easy mold, tough, UL listed |
| Wire Tie | Nylene NX4784 | PA6 | High flow, fast set-up, easy mold release |

| Primary Application | Suggested Grade | Resin Type | Key Property for This Use |
|--------------------------------|----------------------|------------|--|
| Injection Molding | | | |
| Industrial Applications | | | |
| Conveyor Lever | Nylene 4114 | PA6/6 | High toughness, wear resistant |
| Conveyor Roller | Nylene 5133 MF | PA6/6 | High stiffness, low wear, moly filled |
| Conveyor Roller | Duratel MF9 | acetal | Low wear |
| Material Handling | Norpex AX225 HI | PPO | High impact, high flow, low warp |
| Material Handling | Norpex AX200 HI Flow | PPO | Higher flow, low warp |
| Oil Fitting | Nylene 4114-14 | PA6/6 | Some stiffness, some impact resistance |
| Oil Fitting | Nylene 5133 | PA6/6 | High stiffness |
| Parts Tray | Norpex 190 | PPO | Easy molding, low warp |
| Pulley | Nylene 5133 | PA6/6 | High strength and stiffness |
| Pulley | Nylene 5133 MS | PA6/6 | High strength with low wear |
| Pulley | Nylene 6140 | PA6/6 | Low warp, high stiffness |
| Water Meter Housing | Norpex 190 | PPO | Low warp, easy mold |
| Water Pump | Nylene 9533 | PA6/12 | High stiffness, low moisture |

| | | | |
|--|-----------------|------------------|--|
| Injection Molding | | | |
| Tool & Appliance Applications | | | |
| Water Pump | Norpex AX30GF | PPO | High stiffness |
| Water Pump | Nylene 9110 G43 | PA6/10 | Higher stiffness, low moisture |
| Cooling Fans | Norpex AX190 | PPO | Low warp, low cost |
| Cooling Fans | Naxel PC502 | PC | Higher stiffness, low warp |
| Lawn Mower Housing | Naxalloy | PC/ABS PC/PBT | Low warp, good surface, high toughness |
| Leaf Blower Fan | Nylene 6140 | PA6/6 | Low warp, high heat, high stiffness |
| Power Tool Housing | Nylene 5233 | PA6 | Highest stiffness, good surface |
| Power Tool Housing | Nylene 5213 | PA6 | High stiffness, good surface |
| Power Tool Housing | Nylene 7115 | PA6 | Low warp, high stiffness, good surface |
| Power Tool Housing | Nylene 132 | PA6/6 | Smaller parts, more flexible |
| Stove Handles | Vexel B12U | PBT | Good flow, high heat |
| Stove Handles | Nylene 5213 | PA6 | Stiffer, good feel |
| Stove Knobs | Nylene 404 | PA6 | Good appearance, nice feel |
| Stove Knobs | Nylene 132 | PA66 | Good appearance, nice feel |

| | | | |
|---|-------------------|-------|--|
| Injection Molding | | | |
| Furniture & Household Applications | | | |
| Appliance footing | Nylene 5133 | PA6/6 | Stiff & strong |
| Assist Rails | Nylene 401 | PA6 | Easy mold, great surface |
| Assist Rails | Nylene 5233 | PA6 | Higher stiffness, good surface |
| Caster Wheel | Nylene 311 | PA6/6 | Tough & scuff resistant |
| Caster Wheel | Nylene 724 | PA6 | Tough & scuff resistant |
| Electrical Plug | Nylene 451 | | Easy mold, tough, UL listed |
| Office Chair Base | Nylene 5235 SP NF | PA6 | High stiffness, low cost, good surface |

| Primary Application | Suggested Grade | Resin Type | Key Property for This Use |
|---|-----------------|------------|--|
| Injection Molding | | | |
| Furniture & Household Applications (continued) | | | |
| Office Chair Base | Nylene NX4578 | PA6 | High flow for overmolding |
| Seat Adjuster Levers | Nylene 5213 | PA6 | Some stiffness, good surface |
| Seat Adjuster Levers | Nylene 401 | PA6 | Easy molding, great surface |
| Seat Adjuster Levers | Nylene 4114-14 | PA6/6 | Some stiffness, some impact resistance |
| Seat Adjuster Levers | Nylene 5233 | PA6 | Highest stiffness, good surface |
| Wall Plug Cover | Nylene 451 | PA6 | Easy mold, tough, UL listed |
| Window Blind | Nylene 132 | PA6/6 | Easy mold, low wear |
| Window Blind | Nylene 401 | PA6 | Easy mold, low wear |
| Window Hardware | Nylene NX1440 | PA6 | Fast cycle |
| Window Hardware | Nylene 411 | PA6/6 | Low temperature impact |
| Wire Trough | Norpex 190 | PPO | Stiff, easy to extrude |

| | | | |
|--|----------------|--------|-----------------------------------|
| Injection Molding | | | |
| Sports & Leisure Applications | | | |
| Backpack Frame | Nylene 5233 | PA6 | Stiff & tough |
| Backpack Frame | Nylene 5213 | PA6 | Stiff & tough |
| Flashlight Housing | Naxel PC41 | PC | High impact resistance, colorable |
| Flashlight Housing | Naxalloy | PC/ABS | Tough, lower cost than PC |
| Golf Cart Handles | Nylene 4114-33 | PA6/6 | Stiff and tough |
| Hockey Helmet | Nylene 4114-33 | PA6 | High stiffness, high toughness |
| In-Line Skate | Nylene 5233 | PA6 | High stiffness, good surface |
| In-Line Skate | Nylene 4114-33 | PA6/6 | High stiffness, more toughness |
| Knife Handle | Nylene 401 | PA6 | Excellent surface, good feel |
| Knife Handle | Nylene 5213 | PA6 | Higher stiffness, good surface |
| Lacrosse Stick | Nylene 4114 | PA6/6 | Very high toughness |
| Paddle Blade | Naxel PC504 | PC | Stiff, high toughness |
| Rifle Stock | Nylene 5233 | PA6 | Highest stiffness, good surface |
| Rifle Stock | Nylene 5213 | PA6 | Some stiffness, good surface |
| Snowmobile Hood | Naxaloy | PC/ABS | High toughness and low warp |
| Strap Clip | Nylene 132 | PA6/6 | Tough and strong |
| Strap Clip | Nylene 401 | PA6 | Tough and strong |
| Water Bottle Cage | Nylene 5213 | PA6 | Good springback |
| Water Bottle Cage | Nylene 4114-14 | PA6/6 | Stiff and tough |

| | | | |
|-------------------------------|---------------|-----|---|
| Wire and Cable Coating | | | |
| Wire and Cable | BX3WQ662 | PA6 | Heat Stabilized, lubricated, Higher monomer content |
| Wire and Cable | BX3WQ662X | PA6 | Heat Stabilized, lubricated, Methanol Extractables |
| Wire and Cable | BX3WQ662X HRV | PA6 | Heat Stabilized, lubricated, Methanol Extractables |

| Compounding | | | |
|-------------|------------|-----|---|
| Compounding | Nylene 401 | PA6 | Low RV, Internally lubed |
| Compounding | BS640A | PA6 | General Grade, mid RV, unlubricated |
| Compounding | NCHF75 | PA6 | General Grade, slightly higher RV, unlubricated |
| Compounding | NCHF80 | PA6 | General Grade, slightly higher RV, unlubricated |
| Compounding | NCHF85 | PA6 | General Grade, slightly higher RV, unlubricated |

| Spinning Grade Polymer | | | |
|------------------------|---------|-----|--|
| Carpet Fiber | BS700A | PA6 | Medium Dye |
| Carpet Fiber | BS700RA | PA6 | Medium Dye, 50% post industrial recycled content |
| Carpet Fiber | BS700RC | PA6 | Medium Dye, 50% post consumer recycled content |
| Carpet Fiber | BS700D | PA6 | Deep Dye (high amine end group) |
| Carpet Fiber | BS700DR | PA6 | Deep Dye, 35% post industrial recycled content |
| Carpet Fiber | BS600C | PA6 | Cationic Dye (low amine end group) |
| Carpet Fiber | BS600CR | PA6 | Cationic Dye, 35% post industrial recycled content |