



Resins and Application Recommendations

Resin	Applications
PA-Polyamide (Nylon)	<ul style="list-style-type: none"> • zip fastener teeth, gears, wheels and fan blades • petrol and hydraulic hose, powder coatings for metals • power tool housings • sterilizable medical components and sight glasses
PS-Polystyrene	<ul style="list-style-type: none"> • disposable laboratory products • consumer and institutional products • electrical/electronic uses • building/ construction
PP-Polypropylene	<ul style="list-style-type: none"> • packaging • automotive • appliance • carpeting markets
TPE-Thermoplastic Elastomer	<ul style="list-style-type: none"> • wire cables • power and hand tool grips • pen grips • airbag covers • several small caps and plugs on filtration • ultracentrifuge ware products
HTN-High Temperature Nylon	<ul style="list-style-type: none"> • connectors and fittings used in distribution transformers • coil forms • encapsulated solenoids • lamp reflectors • stack insulators • fuse holders • brackets • under-the-hood automotive applications
TPU-Polyurethane	<ul style="list-style-type: none"> • wheels for In line skates • industrial seals • furniture • automobile sets • tennis grips • surf boards
Acetals	<ul style="list-style-type: none"> • bushings, rollers, wear strips • cams, gears and exterior car door handles • electric kettles, wash basins and shower heads, as well as snap fit components and toys
ABS-Acrylonitrile Butadiene Styrene	<ul style="list-style-type: none"> • toys • office equipment • automotive applications • kitchenware • cosmetics
PBT-Polybutylthalate (Polyester)	<ul style="list-style-type: none"> • computer keyboards • appliances • fluid handling systems • automotive applications • electrical connectors • industrial systems and controls

PC-Polycarbonate	<ul style="list-style-type: none"> • industrial equipment housings • appliances • compact discs and DVDs • protective coverings for vehicle headlight lamps
PPA-Polyphthalamide (Amodel)	<ul style="list-style-type: none"> • air induction • electrical/electronic • fuel systems • heating/cooling • composites/additives • cookware • personal care • small appliances • lawn and garden • power tools • electrical contactors/switches • motor components • LED's • medical devices • faucet components • bearing retainers
PET-Polyethylene Terephthalate (Rynite)	<ul style="list-style-type: none"> • packaging • automotive • electrical • food /beverage • other liquid containers
PPEI-Polytherimide (Ultem)	<ul style="list-style-type: none"> • medical devices • insulators • surgical probes • high voltage clamps
PC/ABS Blend (Makroblend)	<ul style="list-style-type: none"> • automotive • electronics • telecommunications
PPS-Polyphenylene Sulfide (Ryton)	<ul style="list-style-type: none"> • chemically resistant coatings • chemical pumps • electrical components
PPO-Polyphenylene Oxide (Noryl)	<ul style="list-style-type: none"> • electrical/electronic uses • business machine parts • appliances • automotive parts
Acrylic	<ul style="list-style-type: none"> • lighting fixtures • glazing • automotive parts
PE-Polyethylenes	<ul style="list-style-type: none"> • packaging • house wares • toys • communications equipment
TPO-Thermoplastic Polyolefin	<ul style="list-style-type: none"> • bearings • gears • artificial joint implants • chopping boards
TPV – Thermoplastic Vulcanite (Alcryn)	<ul style="list-style-type: none"> • automotive • tools and appliances • architectural • home and garden • wire and cable • consumer products • industrial products

