

Please see the information detailed below which may assist you with material selection for your own specific project.

<u>Material Name &amp; Product Reference</u>	<u>Abbr.</u>	<u>Density</u>	<u>Description &amp; Uses</u>
<b>Acetal, Polyacetal or PolyfOrMaldehyde</b> Delrin / Hostaform / Kepital	POM	1.42	Natural - opaque white, very tough, low-med cost Gears and bearing; taps and aerosol valves
<b>Acrylonitrile Butadiene Styrene</b> LG / Polyac / Terluran	ABS	1.06	Natural opaque and tough, low - med cost Telephone handsets + vacuum cleaner housings
<b>Acrylonitrile Styrene Acrylate</b> LG / Luran / Starex	ASA	1.19	Transparent. High UV stability, low – med cost. Conservatory parts, outdoor applications like antenna covers, roof vents
<b>PolyAmide 6 (Nylon)</b> Ravamid / Polamid / Zytel	PA6	1.14	Almost opaque/white, very tough, med-high cost Bushes, bearings, curtain runners + combs
<b>PolyAmide 6.6 (Nylon)</b> Grivory/ Technyl / Vydyne	PA6.6	1.14	Almost opaque/white, rigid/tough, med-high cost Levers, housings, handles etc
<b>PolyAmide 11+12 (Nylon)</b> Grilamid / Rilsan	PA11 PA12	1.18	Opaque to clear, rigid/tough, very high cost Air filters, safety masks, spectacle frames etc
<b>PolyButylene Terephthalate</b> Celanex /Crastin / Pocan	PBT	1.42	Naturally cream, rigid/stable, med - high cost Electrical sockets, housings and parts
<b>PolyCarbonate</b> Calibre / Lexan / Trirex	PC	1.20	Transparent, very tough and resilient, high cost Street lamp covers and safety helmets
<b>PolyEthylene - Low Density</b> Escorene / Flexirene / Ipethene	LDPE	0.92	Opaque white, waxy feel, tough/flexible, low cost Kitchenware and many sealing lids + closures
<b>PolyEthylene - High Density</b> Borealis / Mobil / Scolofin	HDPE	0.96	Opaque white, waxy feel, tough/stiff, low cost Chair seats and milk crates
<b>PolyEther Sulphone</b> RADEL / Victrex	PES	1.37	Clear, tough, v.high chemical resistance/cost Valve seat linings, metal replacement parts etc
<b>PolyMethyl MethAcrylate (Acrylic)</b> Acrypet / Diakon	PMMA	1.18	Transparent and brittle, low - med cost Lenses, car light housings and reflectors





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<b>PolyPropylene</b> Atofina / Procom / Moplen	PP	0.91	Translucent to opaque white, waxy look, tough/stiff, low cost Beer crates and spade handles
<b>PolyPhenylene Oxide</b> Noryl / Thermocomp	PPO	1.07	Opaque, tough/stable, high cost Electrical parts requiring tight tolerances
<b>PolyPhenylene Sulphide</b> Fortron / Ryton / Vampstat	PPS	1.65	Brown, v.good heat resist, v.high strength/cost Fuel system parts, guides, bearings, etc
<b>PolyStyrene - General Purpose</b> Lacquirene / Styron / Total	GPPS	1.00	Transparent to white and brittle, low cost Cosmetics packaging and ball-point barrel pens
<b>PolyStyrene - High Impact</b> Altech / LG	HIPS	1.05	Natural translucent and tough, low cost Food containers, cotton reels, toys - model kits
<b>PolyVinyl Chloride</b> Doeflex / Geon / Ineos	PVC	1.30	Transparent to opaque, tough/flexible, low cost Shoe soles and electrical insulation
<b>PolyVinylidene Fluoride</b> Dyneon / Solef	PVDF	1.78	Opaque white, High chemical resistance/cost Filter systems.
<b>Styrene AcryloNitrile</b> Lustran / Luran / Starex	SAN	1.07	Transparent and brittle, low cost Table and picnicware
<b>ThermoPlastic Elastomer / Rubber</b> Cawiton / Dryflex / Santoprene	TPE TPR	1.10	Transparent to cream. Tough/flexible, high cost Electrically insulated parts, seals + bushes

We are fully supported by our trusted network of material suppliers who can provide material data sheets and further information on any of the materials that are of interest for your product.

