

Injection Moulding Material Library

Insights on our extensively manufactured materials

ABS (acrylonitrile butadiene styrene): A commonly preferred polymer for high impact and strength application in consumer products. In some cases, ASA (acrylonitrile styrene acrylate) is recommended over ABS for the outdoor environment. Due to its anti-fading property.

HDPE (high-density polyethene): A suitable chemically resistant and high strength polymer. You will find this material is used as food containers or chemical containers.

LDPE (low-density polyethene): Like HDPE, it offers excellent resistance to chemicals. The difference is its lower in density, rigid and flexible. Thus, it is suited for containers with snap lids.

PP (polypropylene): It is the second extensively used polymer after polyethene. PP offers excellent electrical properties. Besides, it is good resistant towards fatigue, chemical and heat. Thus, It caters to the application involving living hinges.

POM (acetal polyoxymethylene, Delrin): Good self-lubricating property - high wear-resistance and low friction. Found in contacting surfaces like gears, screws and bearings

PMMA (polymethyl methacrylate). It is referred to as acrylic. It is a glass-like plastic that offers excellent wear resistance.

PET (polyethylene terephthalate, Rynite): PET is a lightweight, strong polymer extensively used in bottles and jars. It is a food-grade polymer with the highest recycling ranking.

PA (Polyamide): It offers excellent stability under heat. Improved mechanical properties. Moderate to high chemical resistance. It is generally blended with glass fibres for high performance. PA could be heat stabilised and Flame retardant to cater to specific temperature needs.

Classified as PA6, PA66, PA612, PA12 and more.

PC (polycarbonate): A high impact resistant glass-like plastic. Delivers higher resolution and are widely used in lenses, electrical and electronic devices, safety equipment and more.

TPU (thermoplastic polyurethane): TPU takes advantage of both rubber and plastics. It offers a range of hardness, good toughness and flexibility. Perfect for toys, wheels and shoe soles.

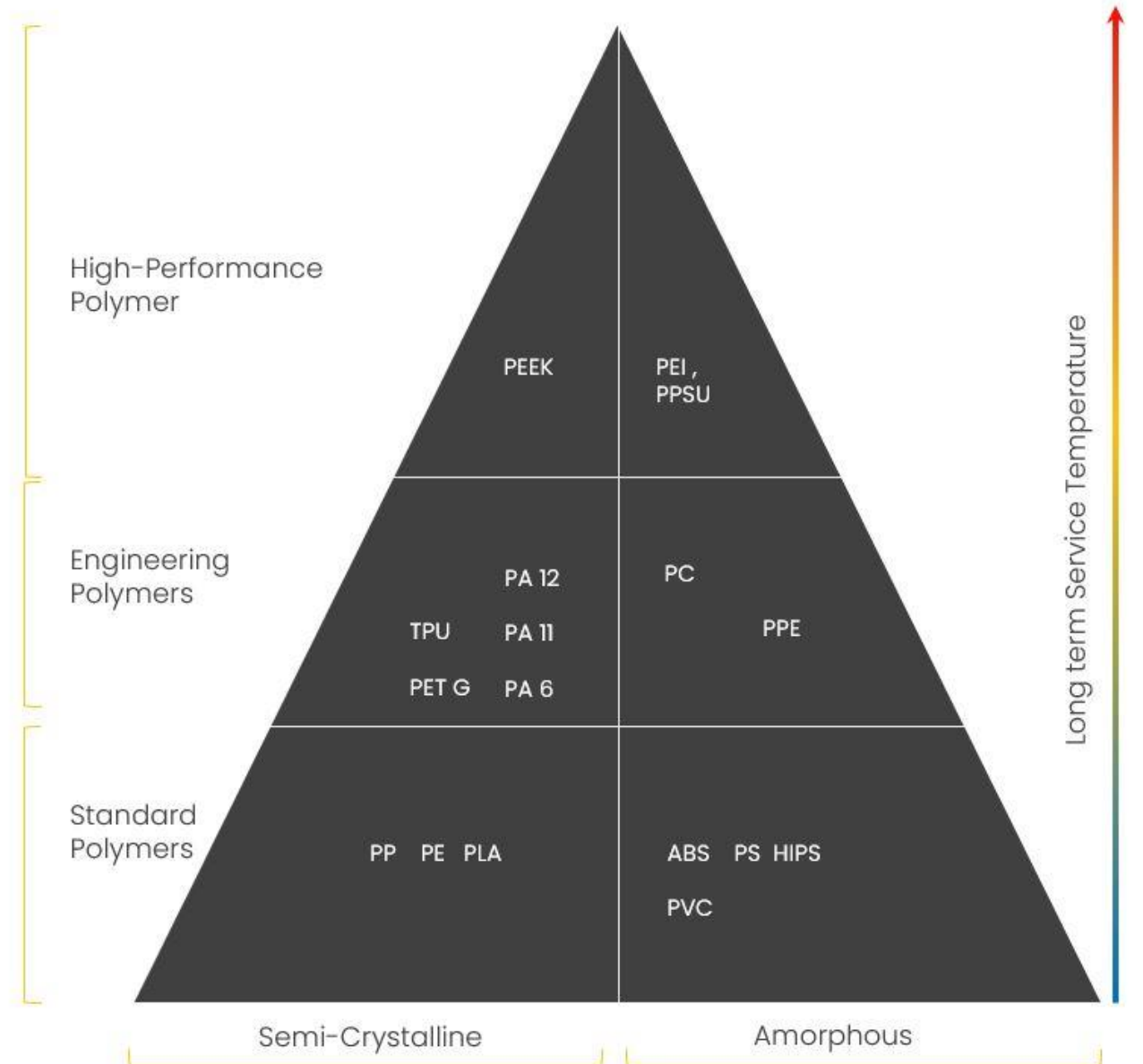
Our Raw Material Supplier TDS

#	Material	Grade	Supplier	Technical Datasheet
1	Polypropylene	H200MA	Reliance	H200MA-TDS
		1110MAS	IOCL	1110MAS-TDS
		SABIC® PP 5702P	Sabic	5702P-TDS
2	ABS	MGABS01CYCOLAC™ RESIN	Sabic	MGABS01-TDS
		ABS HF380I	LG Chem	ABS HF380I-TDS
3	High Density Polypropylene	M60075	Reliance	M60075-TDS
4	Low Density Polypropylene	16MA400	Reliance	16MA400-TDS
5	Polycarbonate	SABIC® PC RESIN PC1000R	Sabic	PC1000-TDS
6	Polyoxymethylene (POM) or Delrin	Delrin® 500P NC010	Dupont	Delrin® 500P NC010-TDS
7	Nylon 6 or PA6	RADILON® S HSX 100 NT	Radici Plastics	RADILON® S HSX 100 NT-TDS
		Zytel® 7301 NC010	Dupont	Zytel® 7301 NC010-TDS
8	Nylon 6 GF30 or PA6GF30	RADILON® S RV300W 333 BK	Radici Plastics	RADILON® S RV300W 333 BK-TDS
		Zytel® 73G30HSL BK416	Dupont	Zytel® 73G30HSL BK416-TDS
9	Nylon66 or PA66	RADILON® A ESL128 100 NT	Radici Plastics	RADILON® A ESL128 100 NT-TDS
		Zytel® 101 NC010	Dupont	Zytel® 101 NC010-TDS
10	Nylon 66 GF15 or PA66GF15	RADILON® A RV150W 333 BK	Radici Plastics	RADILON® A RV150W 333 BK-TDS
		Zytel® 70G13HS1L BK031	Dupont	Zytel® 70G13HS1L BK031-TDS
11	Nylon 66 GF30 or PA66GF30	RADILON® A RV300HRG 3900 BK	Radici Plastics	RADILON® A RV300HRG 3900 BK-TDS
		Zytel® 70G30HSL BK039B	Dupont	Zytel® 70G30HSL BK039B-TDS
12	Nylon 12 or PA12	Grilamid L 20H FWA Black 9225	EMS Grivory	Grilamid L 20H FWA black 9225-TDS
		PLUSTEK PD100NT	Polyram	PLUSTEK PD100NT-TDS
13	Nylon 12 GF30 or PA12GF30	Grilamid LBV-30H FWA black 9225	EMS Grivory	Grilamid LBV-30H FWA black 9225-TDS
		PLUSTEK PD300G6BK11	Polyram	PLUSTEK PD300G6BK11-TDS

Talk to us

Apart from the above polymers, we offer materials for applications with Noryl, Ultem, and PEEK. Besides, we often believe you bring specifics with your application. Thus, if you can't find the material you are seeking, we are here to help you access more materials. Simply get in touch.

[Get in touch](#)



Get in touch

info@amuse3d.in

HEAD QUARTERS

8. Oil monger Street Chennai Tamil Nadu, India 600005

+91 44 2848 4456

+91 91766 97666

