Amorphous Resins	*Semicrystalline Resins*	*Cost*
High-performance/ Specialty **Polyetherimide or PEI** • High strength & heat resistance • Chemical resistant • Used in aerospace applications	**High-performance/ Specialty** **Polyetheretherketone (PEEK)** • Heat & chemical resistant • Strong & corrosion resistant • Used in bearings, medical implants	EXPENSIVE
Engineering **Polycarbonate or PC** • Transparent • Heat & flame resistant • Electrical insulator • Used in electrical components	**Engineering** **Polyamide or PA (Nylon)** • Chemical & abrasion resistant • Low shrinkage & warp • Used in auto parts, carpet, clothing	MODERATE
Commodity **Polystyrene or PS** • Transparent • Low strength • Low heat resistance •Used in cutlery, foam plates, cups	**Commodity** **Polypropylene or PP** • Flexible and tough •Chemical & fatigue resistant •Used in bottles, packaging & living hinges	INEXPENSIVE