

Resin Comparison



	Polyethylene Terephthalate PET	High Density Polyethylene HDPE	PVC	Low Density Polyethylene LDPE	Polypropylene PP	Polystyrene PS	PETG
Clarity	Clear	Hazy Translucent	Clear	Translucent	Translucent	Clear	Clear
Moisture Barrier	Good	Excellent	Good	Very Good	Excellent	Poor	Good
Oxygen Barrier	Good	Poor	Good	Poor	Poor	Poor	Good
Distortion Temperature	155° F	160° F	150° F	110° F	200° F	170° F	155° F
Rigidity	High	Moderate	High	Low	Moderate	High	High
Stress Crack Resistance	Excellent	Fair	Excellent	Good	Excellent	Fair	Excellent
Cold Resistance	Good	Excellent	Fair	Excellent	Poor	Poor	Good
Impact Resistance	Good	Excellent	Good	Excellent	Fair	Poor	Good
Alcohol Resistance	Good	Good	Excellent	Good	Good	Fair	Good
Alkalis Resistance	Poor	Good	Excellent	Good	Good	Fair	Poor
Solvent Resistance	Good	Poor	Good	Poor	Poor	Poor	Good
Oil Resistance	Fair	Good	Good	Good	Good	Poor	Fair
Acid Resistance	Fair	Good	Good	Good	Good	Fair	Fair
Scuff resistance	Poor	Excellent	Poor	Excellent	Excellent	Poor	Poor