

Material Properties

Code	GL	PETG	PET	PP	LDPE	HDPE
Full Name	Glass	Polyethylene Terephthalate	Polyethylene Terephthalate	Polypropylene	Low-Density Polyethylene	High-Density Polyethylene
Recycling Code	70	01	01	05	04	02
Clarity	Clear	Clear	Clear	Translucent	Translucent	Translucent
Rigidity	High	Medium to High	Medium to High	Medium to High	Low	Medium
Impact Resistance	Medium	Good	Good to Excellent	Poor to Good	Excellent	Good to Excellent
Impact Resistance at Low Temperature	Medium	Poor	Fair to Good	Poor to Fair	Excellent	Good to Excellent
Moisture Barrier Properties	Excellent	Fair to Good	Fair to Good	Good to Excellent	Good	Good to Excellent
Oxygen barrier Properties	Excellent	Good	Good	Poor	Poor	Poor
Scuff Resistance	Excellent	Poor to Fair	Poor to Fair	Fair	Excellent	Excellent
Acid Resistance	Excellent	Fair to Good	Fair to Good	Fair to Good	Fair to Excellent	Fair to Excellent
Alcohol Resistance	Excellent	Good	Fair	Good	Good	Good
Alkali Resistance	Excellent	Poor to Fair	Poor to Fair	Excellent	Good to Excellent	Good to Excellent
Mineral Oil Resistance	Excellent	Good	Good	Fair	Poor to Fair	Fair
Solvent Resistance	Excellent	Good	Good	Poor to Good	Poor to Fair	Poor to Fair
Heat Resistance	Excellent	Poor to Fair	Poor to Fair	Good	Fair	Good
Cold Resistance	Excellent	Good	Good	Poor to Fair	Excellent	Excellent

Please note that this information is intended as a helpful guide and is general in nature.