

Resin Comparison Table

Resin Code	1	2	4	5
Resin Name	<b>Polyethylene Terephthalate (PET)</b>	<b>High Density Polyethylene (HDPE)</b>	<b>Low Density Polyethylene (LDPE)</b>	<b>Polypropylene (PP)</b>
Extrusion Blow Molding	Good	Excellent	Excellent	Excellent
Stretch Blow Molding	Excellent	Poor	Poor	Good
Injection Blow Molding	Poor	Excellent	Excellent	Excellent
Clarity	Clear	Translucent	Translucent	Translucent
Distortion Temperature	~155 F	~160 F	~110 F	~200 F
Stress Crack Resistance	Excellent	Fair	Good	Excellent
Cold Resistance	Good	Excellent	Excellent	Poor
Impact Strength	Good	Excellent	Excellent	Fair
Rigidity	High	Moderate	Low	Moderate
Tensile Strength	Excellent	Good	Poor	Good
Moisture Barrier	Good	Excellent	Very Good	Excellent
Oxygen Barrier	Good	Poor	Poor	Poor
Alcohol Resistance	Good	Good	Good	Good
Alkalis Resistance	Poor	Good	Good	Good
Acid Resistance	Fair	Good	Good	Good
Solvent Resistance	Good	Poor	Poor	Poor
Oil Resistance	Fair	Good	Good	Good