








Plastic Properties Chart

Properties	PET	PETG	PVC	HDPE	LDPE	PP	PS
Clarity	Clear	Clear	Clear	Opaque	Opaque	Translucent	Clear
Rigidity/ Stiffness	Moderate to High	Moderate to High	Moderate to High	Moderate	Low	Moderate to High	Moderate to High
Impact Resistance	Good to Excellent	Good	Fair to Good	Good to Excellent	Excellent	Poor to Good	Fair
Low Temp. Impact Resistance	Fair to Good	Poor	Poor to Fair	Good to Excellent	Excellent	Poor to Good	Poor to Good
Stress Crack Resistance	Good to Excellent	Good	Good to Excellent	Good to Excellent	Good	Good to Excellent	Good
Max. Usable Temp.	140°F	140°F	158°F	248°F	176°F	275°F	158°F
Moisture Barrier	Fair to Good	Fair to Good	Fair	Good to Excellent	Good	Good to Excellent	Fair
Oxygen Barrier	Good	Good	Good	Poor	Poor	Poor	Poor
Scuff Resistance	Poor to Fair	Poor to Fair	Poor to Fair	Very Good	Very Good	Very Good	Poor to Fair
Resistance To:	PET	PETG	PVC	HDPE	LDPE	PP	PS
Acids	Fair to Good	Fair to Good	Good to Excellent	Fair to Very Good	Fair to Very Good	Fair to Good	Fair to Good
Alcohols	Good	Good	Good to Very Good	Good	Good	Good	Good
Alkalis	Poor to Fair	Poor to Fair	Good to Very Good	Good to Very Good	Good to Very Good	Very Good	Good
Mineral Oils	Good	Good	Good	Fair	Poor to Fair	Fair	Good
Solvents	Good	Good	Fair to Good	Poor to Fair	Poor to Fair	Poor to Good	Poor
Heat	Poor to Fair	Poor to Fair	Poor to Fair	Good	Fair	Good	Poor
Cold	Good	Good	Fair	Excellent	Excellent	Poor	Poor
Sunlight	Good	Good	Poor to Good	Fair	Fair	Fair	Fair
	PET	PETG	PVC	HDPE	LDPE	PP	PS
Recycling Codes							

This information is supplied for use as a guideline only. Information may vary under certain conditions. It is the responsibility of the client to test the compatibility of each bottle for its intended use.

Healthpack cannot be held responsible for any specific or general use of the information on this page, and disclaims any liability arising from reliance thereon.