




**PROGRESSIVE  
PLASTICS**

## TYPICAL PROPERTIES OF PLASTICS

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MATERIAL	POLYETHYLENE TERAPHTHALATE	POLYETHYLENE	POLYVINYL CHLORIDE	LOW DENSITY POLYETHYLENE	POLYPROPYLENE	POLYSTYRENE	ACRYLONITRILE	POLYETHYLENE TERAPHTHALATE GLYCOL
ACRONYM	PET	HDPE	PVC	LDPE	PP	PS	Barex®	PETG
RECYCLE ID CODE	 PETE	 HDPE	 V	 LDPE	 PP	 PS	 OTHER	 OTHER
CLARITY	Clear	Opaque	Clear	Opaque	Translucent	Clear	Clear	Clear
RIGIDITY OR STIFFNESS	Moderate to High	Moderate	Moderate to High	Low	Moderate to High	High	High	Moderate to High
IMPACT RESISTANCE	Good to Excellent	Good to Excellent	Fair to Good	Excellent	Poor to Good	Fair to poor	Fair to Good	Good
LOW TEMP. IMPACT	Fair to Good	Good to Excellent	Poor to Fair	Excellent	Poor to Good	Fair to poor	Poor to Fair	Poor
STRESS CRACK RESISTANCE	Good to Excellent	Good to Excellent	Good to Excellent	Good	Good to Excellent	Poor	Good to Excellent	Good
MOISTURE	Fair to Good	Good to Excellent	Fair	Good	Good to	Poor	Fair	Fair to Good
OXYGEN BARRIER	Good	Poor	Good	Poor	Poor	Poor	Excellent	Good
SCUFF	Poor to Fair	Very Good	Poor to Fair	Very Good	Very Good	Poor	Poor to Fair	Poor to Fair
RESISTANCE TO:								
ACIDS	Fair to Good	Fair to Very Good	Good to Excellent	Fair to Very Good	Fair to Good	Fair to Good	Fair to Good	Fair to Good
ALCOHOLS	Good	Good	Good to Very	Good	Good	Fair	Good	Good
ALKALIS	Poor to Fair	Good to Very Good	Good to Very Good	Good to Very Good	Very Good	Good	Good	Poor to Fair
MINERAL OILS	Good	Fair	Good	Poor to Fair	Fair	Very Good	Excellent	Good
SOLVENTS	Good	Poor to Fair	Fair to Good	Poor to Fair	Poor to Good	Poor	Excellent	Good
HEAT	Poor to Fair	Good	Poor to Fair	Fair	Good	Good	Poor to Fair	Poor to Fair
COLD	Good	Excellent	Fair	Excellent	Poor to Fair	Good	Fair	Good
SUNLIGHT	Good	Fair	Poor to Good	Fair	Fair	Fair to good	Poor to Good	Good