

Paxon™ FD60-018

High Density Polyethylene Resin

Product Description

FD60-018 is a very high molecular weight high density polyethylene powder. It exhibits very high impact strength.

General

Additive	▪ Thermal Stabilizer: No	▪ Antistatic: No
Applications	▪ Compression Moldings	▪ Shot Gun Shells
	▪ Food Packaging	▪ Thermoformed Parts

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.954 g/cm ³	0.954 g/cm ³	ASTM D4883
Apparent (Bulk) Density	0.48 g/cm ³	0.48 g/cm ³	ASTM D1895
Melt Index (190°C/2.16 kg)	< 0.10 g/10 min	< 0.10 g/10 min	ASTM D1238
High Load Melt Index (190°C/21.6 kg)	1.7 g/10 min	1.7 g/10 min	ASTM D1238

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Brittleness Temperature	< -76 °F	< -60 °C	ASTM D746
Vicat Softening Temperature	268 °F	131 °C	ASTM D1525

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield	4100 psi	28 MPa	ASTM D638

