

Paxon™ BA54-030

High Density Polyethylene Copolymer Resin

Product Description

BA54-030 is a high molecular weight, high-density polyethylene copolymer. This resin has superior stress crack resistance, high impact strength and good rigidity.

General

Applications	<ul style="list-style-type: none"> Drums Food Packaging Heavy Gauge Sheet 	<ul style="list-style-type: none"> Highway Drainage Pipe Large Part Blow Molding Shot Gun Shells 	<ul style="list-style-type: none"> Thermoformed Parts
Form(s)	<ul style="list-style-type: none"> Pellets 		
Processing Method	<ul style="list-style-type: none"> Blow Molding 	<ul style="list-style-type: none"> Sheet Extrusion 	<ul style="list-style-type: none"> Thermoforming

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.956 g/cm ³	0.956 g/cm ³	ASTM D4883
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)	2.8 g/10 min	2.8 g/10 min	ASTM D1238

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Brittleness Temperature	< -94 °F	< -70 °C	ASTM D746
Vicat Softening Temperature	264 °F	129 °C	ASTM D1525

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield	3800 psi	26 MPa	ASTM D638
Flexural Modulus	170000 psi	1200 MPa	ASTM D790
Environmental Stress-Crack Resistance 100% Igepal	> 600 hr	> 600 hr	ASTM D1693

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Impact Strength (73°F (23°C))	380 ft·lb/in ²	800 kJ/m ²	ASTM D1822

