ExxonMobil

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

Availability [1]	• Latin America	• North America	
Applications	• Drums • Food Packaging • Heavy Gauge Sheet	• Highway Drainage Pipe • Large Part Blow Molding • Shot Gun Shells	• Thermoformed Parts
Form(s)	• Pellets		
Processing Method	• Blow Molding	• Sheet Extrusion	• Thermoforming
Revision Date	• 07/01/2014		

Resin Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Density	0.956	g/cm³	0.956	g/cm³	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					ASTM D1693
100% Igepal	> 600	hr	> 600	hr	

Impact	Typical Value	(English)	Typical Value	(SI)	Test Based On
Tensile Impact Strength (73°F (23°C))	380	ft·lb/in²	800	kJ/m²	ASTM D1822

Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

This product is not intended for use in medical applications and should not be used in any such applications.

Processing Statement

1. Values may change with future development. 2. All molded properties were measured on compression molded plaques. 3. 1% Secant Flexural Modulus. 4. ESCR tested using Condition B, 100% Igepal.

Notes

Typical properties: these are not to be construed as specifications.

[1] Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.