ExxonMobil Signature Polymers

ExxonMobil™ HD 5417HLpw

High Density Polyethylene

Product Description

ExxonMobil™ HD 5417HLpw is a very high molecular weight high density polyethylene powder. It exhibits very high impact strength.

General

Availability [1]	▪ Latin America	▪ North America
Additive	▪ Thermal Stabilizer: No	▪ Antistatic: No
Applications	▪ Compression Moldings ▪ Food Packaging	▪ Shot Gun Shells ▪ Thermoformed Parts
Revision Date	▪ 06/01/2012	

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.954	g/cm³	0.954	g/cm³	ASTM D4883
Apparent (Bulk) Density	0.48	g/cm³	0.48	g/cm³	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

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

Values are typical and should not be interpreted as specifications. Values may change with future development.

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.

For additional technical, sales and order assistance: Contact Us

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