

# ExxonMobil™ HD 5417HLpw

(Legacy name: Paxon™ FD60-018)

## 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 <sup>1</sup>	<ul style="list-style-type: none"> <li>Latin America</li> <li>North America</li> </ul>
Additive	<ul style="list-style-type: none"> <li>Thermal Stabilizer: No</li> <li>Antistatic: No</li> </ul>
Applications	<ul style="list-style-type: none"> <li>Compression Moldings</li> <li>Shot Gun Shells</li> <li>Food Packaging</li> <li>Thermoformed Parts</li> </ul>
Revision Date	<ul style="list-style-type: none"> <li>06/01/2012</li> </ul>

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.954 g/cm <sup>3</sup>	0.954 g/cm <sup>3</sup>	ASTM D4883
Apparent (Bulk) Density	0.48 g/cm <sup>3</sup>	0.48 g/cm <sup>3</sup>	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.

<sup>1</sup> 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: [www.exxonmobilchemical.com/ContactUs](http://www.exxonmobilchemical.com/ContactUs)

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