

ExxonMobil™ HD 4663HL.UV

High Density Polyethylene

Product Description

ExxonMobil™ HD 4663HL.UV is a high molecular weight high density polyethylene copolymer which contains an UV inhibitor. It provides a combination of excellent processability, outstanding melt strength, high impact strength, chemical resistance and high stress cracking resistance.

General

Availability ¹	<ul style="list-style-type: none"> Africa & Middle East Europe 	<ul style="list-style-type: none"> Latin America North America
Additive	<ul style="list-style-type: none"> UV Stabilizer 	
Applications	<ul style="list-style-type: none"> Intermediate Bulk Containers 	
Revision Date	<ul style="list-style-type: none"> 06/03/2020 	

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.946 g/cm ³	0.946 g/cm ³	ASTM D1505
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)	6.3 g/10 min	6.3 g/10 min	ASTM D1238

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	148 °F	65 °C	ExxonMobil Method

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield	3500 psi	24 MPa	ExxonMobil Method
Flexural Modulus - 1% Secant (0.050 in/min (1.3 mm/min))	120000 psi	820 MPa	ExxonMobil Method
Environmental Stress-Crack Resistance 100% Igepal	> 1000 hr	> 1000 hr	ExxonMobil Method
Durometer Hardness (Shore D, 15 sec)	53	53	ExxonMobil Method

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Charpy Notched Impact Strength			ExxonMobil Method
-4°F (-20°C), Type 1, Edgewise, Notch A	8.9 ft·lb/in ²	19 kJ/m ²	
73°F (23°C), Type 1, Edgewise, Notch A	12 ft·lb/in ²	25 kJ/m ²	

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.

This product is not intended for use in fuel systems utilizing biodiesel.

Processing Statement

All physical properties were measured on compression molded specimens.

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.

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