

ExxonMobil™ HDPE HYA 800

High Density Polyethylene Resin
ExxonMobil Chemical

Message:

HYA 800 is a homopolymer high density polyethylene grade, which is characterized by high hardness and high fluidity.

General Information			
Additive	heat stabilizer		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.70	g/10 min	ASTM D1238
190°C/21.6 kg	46	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			ASTM D1693
10% Igepal	< 20.0	hr	ASTM D1693
100% Igepal	< 20.0	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	62		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	1400	MPa	ASTM D638
Tensile Strength ²			ASTM D638
Yield	25.0	MPa	ASTM D638
100% strain	14.0	MPa	ASTM D638
Tensile Elongation ³ (Break)	> 100	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	9.5	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	127	°C	ASTM D1525
Legal statement			
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NOTE			
1.	5.0 mm/min		
2.	50 mm/min		
3.	50 mm/min		

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