

ExxonMobil HDPE HYA 800 High Density Polyethylene Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

Material Notes:

Product Description: HYA 800 is a homopolymer HDPE grade, characterized by high stiffness, high rigidity and high flow. Availability: Africa & Middle East, Asia Pacific and Europe Additive: Thermal Stabilizer: Yes Applications: Drainage Pipes Food packaging Liquid Food Containers for Milk, Water and Juices Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-HDPE-HYA-800-High-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.961 g/cc	0.0347 lb/in ³	ASTM D4883
ESCR 100% Igepal®	20 hour	20 hour	F50; ASTM D1963
ESCR 10% Igepal®	<= 20 hour	<= 20 hour	F50; ASTM D1963
Melt Flow	0.70 g/10 min	0.70 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	46 g/10 min	46 g/10 min	ASTM D1238
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ASTM D2240
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Stress	13.8 MPa	2000 psi	2 in/min; ASTM D412
	@Strain 100 %	@Strain 100 %	
Tensile Strength, Yield	29.0 MPa	4200 psi	2 in/min; ASTM D638
Elongation at Break	>= 100 %	>= 100 %	2 in/min; ASTM D638
Tensile Modulus	1.17 GPa	170 ksi	2 in/min; ASTM D638
Izod Impact, Notched (ISO)	12.0 kJ/m ²	5.70 ft-lb/in ²	Area; ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	129 °C	264 °F	ASTM D1525

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China