

ExxonMobil HDPE HYA 600 High Density Polyethylene Resin

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

Material Notes:

Product Description: HYA 600 is a general purpose HDPE resin, characterized by very easy processability, an excellent balance of rigidity and impact strength and a good ESCR. **Availability:** Africa & Middle East, Asia Pacific and Europe **Additive:** Thermal Stabilizer: Yes

Applications: Drainage Pipes Food packaging Household and Industrial chemical containers Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-HDPE-HYA-600-High-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.954 g/cc	0.0345 lb/in ³	ASTM D4883
ESCR 100% Igepal®	50 hour	50 hour	F50; ASTM D1963
ESCR 10% Igepal®	20 hour	20 hour	F50; ASTM D1963
Melt Flow	0.35 g/10 min	0.35 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	29 g/10 min	29 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	62	62	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	26.2 MPa	3800 psi	2 in/min; ASTM D638
Elongation at Break	>= 100 %	>= 100 %	2 in/min; ASTM D638
Tensile Modulus	0.965 GPa	140 ksi	2 in/min; ASTM D638
Izod Impact, Notched (ISO)	14.1 kJ/m ²	6.70 ft-lb/in ²	Area; ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	128 °C	262 °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