

Pakro Kimya Dış Ticaret A.Ş.

İstoç Ticaret Merkezi Aktem Plaza Kat:5 Daire:33 Bağcılar/İstanbul

🧈 0212 659 26 01-02 🌐 www.pakrokimya.com.tr **2** 0212 659 26 03 🔀 Info@pakrokimya.com.tr

Chemical

ExxonMobil HDPE



HYA 600

Blow Molding Resin

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.

Applications

- bottles for household, industry and chemicals
- containers up to 30 l.

Additive Package	Thermal Stab <mark>ilizer</mark>			
HYA 600		Yes		
Resin Properties	Test Based On	Typical Value / Unit		
Melt Index (21.6 kg, 47.6 lb)	ASTM D1238 🦯	29 g/10 min		
Melt Index (2.16 kg, 4.76 lb)	ASTM D1238	0.35 g/10 min		
Density	ASTM D4703 / D1505	0.954 g/cm ³		
Vicat Softening Point	ASTM D1525	128 °C	262 °F	
Molded Properties				
Yield Strength (1)	ASTM D638	27 MPa	3900 psi	
Tensile Strength (1)	ASTM D638	<mark>> 15</mark> MPa	> 2200 psi	
Elongation @ Break (1)	ASTM D638	> 450 %		
1% Secant Modulus (2)	ASTM D638	900 MPa	130500 psi	
IZOD Impact (notched)	ASTM D256	14 kJ/m ²	6.7 ft-lb/in ²	
Shore Hardness, D	ASTM D2240	62	2	
Environmental Stress Crack Resistance (3)	ASTM D1693	22 hrs		
Environmental Stress Crack Resistance (4)	ASTM D1693	53 H	nrs	

The molded properties have been measured on compression molded sheets, prepared according to ASTM D 4703.

(1) Specimen type T4 / thickness 3 mm (118 mil); speed of testing 50 mm/min (1970 mil/min).

(2) Specimen type T4 / thickness 3 mm (118 mil); speed of testing 5 mm/min (197 mil/min).
(3) Conditions B, F50, 10 % Igepal

(4) Conditions B, F50, 100 % Igepal

HYA 600 can - in principle - be used in food contact applications in various EU Member States and in the USA (FDA). Migration or use limitations may apply. Please contact your ExxonMobil Chemical representative for more detailed information and/or actual compliance certification documents for the specific grade of interest.

Revised 12/03

©2003 ExxonMobil. To the extent the user is entitled to disclose and distribute this document, the user may forward, distribute, and/or photocopy this copyrighted document only if unaltered and complete, including all of its headers, footers, disclaimers, and other information. You may not copy this document to a Web site. ExxonMobil does not guarantee the typical (or other) values. Analysis may be performed on representative samples and the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We be alsed the information of data believed to be reliable on the date completed, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, suitability, accuracy, reliability, or process in its ferritories of interset. We expressly disclaim liability for soles, damage, or injury directly or indirectly or indincetly or indincetly or indirectly or indirectly or