

Pakro Kimya Dış Ticaret A.Ş.

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

🕏 0212 659 26 03 🜌 Info@pakrokimya.com.tr

# ExonMobil 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 Stabilizer
HYA 600		Yes
Resin Properties	Test Based On	Typical Value / Unit
<u>Melt Index (21.6 kg, 47.6 lb)</u>	<u>ASTM D 1238</u>	<u>29 g/10 min</u>
<u>Melt Index (2.16 kg, 4.76 lb)</u>	ASTM D 1238	0.35 g/10 min
Density	ExxonMobil Method	0.954 g/cm <sup>3</sup>
Vicat Softening Point	<u>ASTM D 1525</u>	128 °C 262 °F
Molded Properties		
Tensile Strength at Yield <sup>1</sup>	ASTM D 638	27 MPa 3900 psi
Tensile Strength at Break <sup>1</sup>	ASTM D 638	> 15 MPa > 2200 psi
Elongation at Break <sup>1</sup>	<u>ASTM D 638</u>	> 450 %
<u>1% Secant Modulus</u> 2	<u>ASTM D 638</u>	900 MPa130500 psi
IZOD Impact	<u>ASTM D 256</u>	14 KJ/m <sup>2</sup> 6.7 ft-lb/in <sup>2</sup>
Shore Hardness, D	ASTM D 2240	62
Environmental Stress Crack Resistance <sup>3</sup>	ASTM D 1693	22 hrs
Environmental Stress Crack Resistance <sup>4</sup>	ASTM D 1693	53 hrs

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).

(2) Specifien type 147 thickness of
(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 January 2006

©2006 Exxon Mobil Corporation. 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 not 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 based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, suitability, accuracy, reliability, or completeness of this information or the products, materials, or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage, or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. There is no endorsement of any product or process, and we expressly disclaim any contrary implication. The terms, "we", "our", "ExxonMobil Chemical", or "ExxonMobil" are used for convenience, and may include any one or more of ExxonMobil Chemical Company, Exxon Mobil Corporation, or any affiliates they directly or indirectly steward. ExxonMobil, the ExxonMobil Emblem, and the "Interlocking X" Device are trademarks of Exxon Mobil Corporation.