

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

ExxonMobil HDPE

HPA 020

Blow Molding Resin

Description

HPA 020 is a high molecular weight HDPE resin, characterized by an excellent balance of rigidity, ESCR and impact strength.

Applications

- large parts & containers (20 to 100 l) for non - food end uses
- non pressure pipes for use in construction industry

Additive Package		Thermal Stabilizer	
HPA 020		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>9 g/10 min</u>	
<u>Melt Index (2.16 kg, 4.76 lb)</u>	ASTM D 1238	<u>0.07 g/10 min</u>	
Density	<u>ExxonMobil Method</u>	0.952 g/cm ³	
Vicat Softening Point	<u>ASTM D 1525</u>	129 °C	257 °F
Molded Properties			
Tensile Strength at Yield ¹	ASTM D 638	26 MPa	3750 psi
Tensile Strength at Break	ASTM D 638	> 17 MPa	> 2450 psi
Elongation at Break	ASTM D 638	> 450 %	
<u>1 ^{^~} Secant Modulus²</u>	ASTM D 638	850 MPa	123500 psi
IZOD Impact	ASTM D 256	38 KJ/m ²	18.1 ft-lb/in ²
Shore Hardness, D	ASTM D 2240	63	
Environmental Stress Crack Resistance ³	ASTM D 1693	> 300 hrs	
Environmental Stress Crack Resistance ⁴	ASTM D 1693	> 600 hrs	

The molded properties have been measured on compression molded sheets, prepared according to ASTM D4703.

(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

HPA 020 is not to be used for food contact applications.

Issued 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.