


Datasheet

21/02/2020

High Density Polyethylene HD3400U

Description:

HD3400U is a high density polyethylene copolymer with high molecular weight. It offers good processability, good stress cracking resistance and low temperature impact resistance.

Applications:

Small automotive tanks, Packages up to 20 liters for chemicals, domestic and industrial, Bedliner

Processes:

Extrusion Blow Molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/21.6kg)	ASTM D 1238	g/10 min	10
Density	D 792	g/cm ³	0.948

Typical Properties:
Plaque Properties

Feature	Method	Units	Values
Melt Flow Rate (190°C/5kg)	ASTM D 1238	g/ 10 min	0.45
Tensile Strength at Yield (a)	ASTM D 638	MPa	25
Tensile Strength at Break (a)	ASTM D 638	MPa	30
Flexural Modulus - 1% Secant (b)	ASTM D 790	MPa	1050
Tensile Impact Strength ISO at 23 °C	ISO 8256	kJ/m ²	170
Environmental Stress Cracking Resistance - notch 0,3 mm; 50°C; 10% Igepal CO630 (a)	ASTM D 1693	h/F50	> 200
Deflection Temperature under Load at 0.455 MPa (b)	ASTM D 648	°C	70

Typical properties correspond to average values obtained in our laboratories. Test specimens prepared from compression molded sheet made according to ASTM D 4703. Thickness of test piece: a) 2 mm; b) 3 mm.

Final Remarks:

- The information presented in this Data Sheet reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.
- For regulatory information of the product, please refer to Regulatory Document or contact our Technical Assistance Area.
- For information about safety, handling, individual protection, first aids and waste disposal, please refer to MSDS.
- The mentioned values in this report can be changed at any moment without Braskem previous communication.