



Data Sheet

07/13/2021

High Density Polyethylene HD7600U**Description:**

HD7600U is a High Density Polyethylene (HDPE), copolymer, developed for use in LLDPE and LDPE blends, special for shrink films. This product has gels control and optimized additive for this application.

Applications:

Blends with LLDPE and / or LDPE for heat shrink films

Processes:

Blown film extrusion.

Control Properties:

Characteristic	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	0.30
Density	D 792	g/cm ³	0.954

Typical Properties - Plaque¹:

Plaque Properties

Characteristic	Method	Units	Values
Tensile Strength at Yield (a)	D 638	MPa	30
Tensile Strength at Break (a)	D 638	MPa	33
Flexural Modulus - 1% Secant (b)	D 2240	MPa	1136
Shore D Hardness (c)	D 1693	-	64
Izod Impact Strength (b)	D 256	J/m	100
Deflection Temperature under Load at 0.455 MPa (b)	D 648	°C	66
Vicat Softening Temperature at 10 N (b)	D 1525	°C	128

¹ Test specimens from compression molded plaque according to ASTM D4703. Plaque Thickness: a) 2mm. b) 3mm c) 6mm. NB = No break.

Final Remarks:

1. 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.
2. For regulatory information of the product, please refer to Regulatory Document or contact our Technical Assistance Area.
3. For information about safety, handling, individual protection, first aids and waste disposal, please refer to MSDS.
4. The mentioned values in this report can be changed at any moment without Braskem previous communication.