Braskem

Data Sheet

Linear Low Density Polyethylene ML3600S

Description:
The resin ML3600S is a Linear Low Density Polyethylene developed for rotomolding.

Applications:
Water tanks
General purpose parts

Technical Characteristics:
High stiffness
Excelent environmental stress cracking resistance (ESCR)
UV and heat stabilization

Additives:
Weathering resistance UV8 and antioxidants

Resin Properties:

	Método ASTM	Unidades	Típicos
Melt Flow Rate (190/2.16)	D 1238	g/10 min	4.7
Density	D 1505	g/cm^3	0.933
Melting Temperature	D 3418	°C	127

Typical Properties [a]:

	Método ASTM	Unidades	Típicos
Tensile Strength at Yield	D 638	MPa	19
Tensile Elongation at Yield	D 638	%	14
Tensile Elongation at Break	D 638	%	>1000
Flexural Modulus – 1% Secant	D 790	MPa	770
Environmental Stress Cracking Resistance(ESCR)[b]: 10% Igepal 100% Igepal	D 1693	h/F50	 250 > 1000
Heat Deflection Temperature: 0,455 MPa 1,820 MPa	D 648	°C	 60 42
Impact Strength at -40°C[c]: 3,17 mm thickness 6,34 mm thickness	ARM	J	 55 115

(a) Test specimens prepared from compression molded sheet made according to ASTM D 4703.
(b) Compression molded 2 mm thickness, 0.3 mm notched-plaques; 50ºC.
(c) Rotomolded plaque.