

Braskem HD7255LS-L HDPE Injection Molding Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

Material Notes:

HD7255LS-L is a high-density polyethylene developed for injection molding. It has good tenacity and impact properties combined with good stiffness. It presents a ratio between melt flow and density that provides excellent mechanical properties. This resin also has additives against the action of ultraviolet radiation. Its applications include: bins, boxes for fruits and vegetables, boxes for fish, and general purpose boxes.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-HD7255LS-L-HDPE-Injection-Molding-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.954 g/cc	0.0345 lb/in ³	ASTM-D792
ESCR 100% Igepal®	<= 5.0 hour @Thickness 2.00 mm, Temperature 50.0 °C	<= 5.0 hour @Thickness 0.0787 in, Temperature 122 °F	0.3 mm notched-plaques; ASTM-D1693
Melt Flow	4.5 g/10 min @Load 2.16 kg, Temperature 190 °C	4.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	63	63	ASTM-D2240
Tensile Strength, Yield	27.0 MPa	3920 psi	ASTM-D638
Flexural Modulus, 1% Secant	1270 MPa	184000 psi	ASTM-D790
Izod Impact, Notched	0.450 J/cm	0.843 ft-lb/in	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	74.0 °C	165 °F	ASTM-D648
Vicat Softening Point	127 °C @Load 1.02 kg	261 °F @Load 2.25 lb	ASTM-D1525

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