

Braskem PE HDI0661U1

High Density Polyethylene

Braskem IDESA

Message:

HDI0661U1 is a high density polyethylene copolymer with a narrow molecular weight distribution, developed for injection molding segment. Parts made from this material exhibit a shiny surface and good impact strength and stiffness. This material meets the requirements of US FDA 21CFR 177.1520.

Applications:

Boxes, helmets, pallets, trays, containers and buckets.

Process:

Injection Molding

General Information			
Features	Rigid, good		
	Copolymer		
	Impact resistance, good		
	Narrow molecular weight distribution		
Uses	Pallets		
	Safety helmet		
	Container		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.961	g/cm ³	ASTM D4883
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.2	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	5.00	hr	ASTM D1693B
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	31.0	MPa	ASTM D638
Tensile Elongation (Break)	> 800	%	ASTM D638
Flexural Modulus - Tangent	1550	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	67	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	87.0	°C	ASTM D648
Brittleness Temperature	< -75.0	°C	ASTM D746
Vicat Softening Temperature	129	°C	ASTM D1525

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Recommended distributors for this material

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