

Braskem PE LDI2020

Low Density Polyethylene

Braskem IDESA

Message:

The resin LDI2020 is a low density polyethylene produced at high pressure condition in tubular reactor, designed for injection molding. Products molded with this resin have a good balance between stiffness, smoothness, dimensional stability and processability.

Applications:

Lids and caps, household items. Injection molded parts of large flat area.

Process:

Injection Molding

General Information			
Features	Good dimensional stability		
	Rigid, good		
	Workability, good		
Uses	Cover		
	Shield		
	Household goods		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	44		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	12.0	MPa	ASTM D638
Fracture	9.00	MPa	ASTM D638
Flexural Modulus - 1% Secant	220	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	92.0	°C	ASTM D1525

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