

Low Density Polyethylene LDI2020

Description:

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:

Caps, household items, large flat area injected parts.

Processes:

Injection molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	ASTM D1238	g/10 min	20.000
Density	ASTM D792	g/cm ³	0.920

Typical Properties¹

Feature	Method	Units	Values
Tensile Strength at Break	ASTM D638	MPa	7
Strain at Break	ASTM D638	%	68
Elasticity Modulus (Secant 1%)	ASTM D638	MPa	275
Flexural Modulus (Secant 1%)	ASTM D 790	MPa	280

¹ Test specimens from compression molded plaque according to ASTM D4703.

² Condition B.

³ Test temperature at 23°C.

Final Remarks

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