



DATA SHEET

ALTOFLEX® HDPE 120

Description: Narrow molecular weight high density polyethylene copolymer intended for injection molding applications requiring a high melt index for medium to thin walled articles.

Applications:

- Buckets
- Pails

Resin Properties	Method	Typical Value	
Density	ASTM D4883	0.953	g/cm ³
Melt Index, 190°C/2.16 kg	ASTM D1238	20.00	g/10 min
Compression Molded Sample	Method	Typical Value	
Tensile Strength (2 in/min):			
Yield	ASTM D638	27.5	MPa
Break		14.5	MPa
Elongation (2 in/min):			
Yield	ASTM D638	9.0	%
Break		> 200	%
Flexural Modulus			
Tangent	ASTM D790A	1,220	MPa
Notched Izod Impact Strength	ASTM D256	2.75	kJ/m ²
Hardness			
Shore D	ASTM D2240	66	
Vicat Softening Point	ASTM D1525	125	C
Brittleness Temperature	ASTM D746	<-70	C
Heat Deflection Temperature			
@ 455 kPa	ASTM D648	72	C
ESCR			
Condition B, 100% Igepal F50	ASTM D1693	1.8	Hrs.

Typical properties: These are not to be construed as specifications.

Disclaimer: Information in this document is accurate to the best of our knowledge at the date of publication. Users will determine whether the product is suitable for their use.

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