

Uminicorp HDPE

High Density Polyethylene

Product description

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Product characteristics

Test Method used	ISO	
Processing method		
Features		
Typical Properties	Test Method	Unit Value¹
Physical		
Melt flow rate (MFR)		
190 °C / 2.16 kg	ISO 1133	0.58 g / 10 min
190 °C / 5.00 kg		2.45 g / 10 min
230 °C / 2.16 kg		1.14 g / 10 min
230 °C / 5.00 kg		5.18 g / 10 min
Density	ISO 1183	958 kg/m ³
Ash Content at 600 °C	ISO 3451-1A	1.4%
Mechanical Properties		
Tensile Strain at Yield	ISO 527-2 type 1A	11.4%
Tensile Strain at Break	ISO 527-2 type 1A	63.5%
Tensile Modulus	ISO 527-2 type 1A	860 MPa
Tensile Strength	ISO 527-2 type 1A	22.9 MPa
Impact Properties		
Charpy Notched (23 °C)	ISO 179 / 1	12.1 kJ/m ²
Charpy Notched (-30 °C)	ISO 179 / 1	3.7 kJ/m ²

¹ Unit values are typical values, not to be construed as specifications

