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BASF Ultraform® H2320 004

Description: Is a POM, high-molecular-weight grade for extrusion of small thin-walled pipes and panel.
Information provided by BASF

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in³	ISO 1183
Moisture Absorption at Equilibrium	0.20 %	0.20 %	23°C; 50% RH; ISO 62
Water Absorption at Saturation	0.80 %	0.80 %	ISO 62
Melt Flow	3.08 g/10 min @Load 2.16 kg, Temperature 190 °C	3.08 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	130 MPa @Load 36.5 kg, Time 30.0 sec	18900 psi @Load 80.5 lb, Time 0.00833 hour	ISO 2039-1
Tensile Strength, Yield	64.0 MPa	9280 psi	50 mm/min; ISO 527-2
Elongation at Break	32 %	32 %	50mm/min; ISO 527-2
Elongation at Yield	11 %	11 %	ISO 527-2
Modulus of Elasticity	2.60 GPa	377 ksi	ISO 527-2
Izod Impact, Notched (ISO)	6.50 kJ/m²	3.09 ft-lb/in²	ISO 180/A
Charpy Impact Unnotched	21.0 J/cm² @Temperature -30.0 °C	99.9 ft-lb/in² @Temperature -22.0 °F	ISO 179/1eU
	25.0 J/cm² @Temperature 23.0 °C	119 ft-lb/in² @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	0.550 J/cm² @Temperature -30.0 °C	2.62 ft-lb/in² @Temperature -22.0 °F	ISO 179/1eA
	0.600 J/cm² @Temperature 23.0 °C	2.86 ft-lb/in² @Temperature 73.4 °F	ISO 179/1eA
Tensile Creep Modulus, 1000 hours	1300 MPa	189000 psi	ISO 899-1