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BASF Ultraform® N 2320 003 PRO

Information provided by BASF.
BASF's Ultraform N 2320 003 PRO, a Polyoxymethylene (POM) Polymer Copolymer

Physical property	Standard	Value	Unit
Density	ISO 1183	1.4	g/cm³
Water Absorption 23°C 24hr	ISO 62	0.8	%
Water Absorption 23°C 50RH	ISO 62	0.2	%
Melt Index 190°C 2.16kg	ISO 1133	7.5	cm³/10min
Hardness	**Standard**	**Value**	**Unit**
Ball Indentation Hardness	ISO 2039	145	MPa
Mechanical behavior	**Standard**	**Value**	**Unit**
Tensile Modulus 23°C	ISO 527	2700	MPa
Tensile Strength 23°C	ISO 527	65	MPa
Elongation 23°C	ISO 527	27	%
Tensile Creep Modulus 1 hr	ISO 899	1800	MPa
Tensile Creep Modulus 1000hr	ISO 899	1400	MPa
Izod Notch Impact 23°C	ISO 180	7	kJ/m²
Izod Notch Impact -40°C	ISO 180	5.8	kJ/m²
Charpy Notch Impact	ISO 179	6	kJ/m²
Charpy Notch Impact	ISO 179	5.5	kJ/m²
Charpy Un-notch Impact 23°C	ISO 179	210	kJ/m²
Charpy Un-notch Impact -30°C	ISO 179	190	kJ/m²
Thermal	**Standard**	**Value**	**Unit**
HDT Unannealed 1.8MPa	ISO 75	100	°C
Melting Temperature	ISO 11357	167	°C
CLE Flow	ISO 11359	1.1E-4	cm/cm/°C
Electrical properties	**Standard**	**Value**	**Unit**
Volume Resistivity	IEC 60093	1E15	Ω.cm
Surface Resistivity	IEC 60093	1E13	Ω
Dielectric Constant 1 MHz	IEC 60250	3.8	
Dissipation Factor 1 MHz	IEC 60250	0.005	
CTI	IEC 60112	600	V