

Dongguan Noegem Plastic Products Co.,Ltd**POM Properties**

Properties	Test Method	Unit	Value
Physical Properties			
Density	ISO 1183	g/cm ³	1.41
Water absorption	ISO 62	%	<0.3
Mechanical Properties			
Tensile strength	ISO 527-2	Mpa	63
Elongation at Break	ISO 527-2	%	>30
Elastic Bending Modulus	ISO 178	Mpa	2600
Impact Strength(notched)	ISO 179	KJ/M ²	7
Hardness	DIN 53505	Shore D	85
Thermal Properties			
Heat deflection temperature - HDT/A	ISO 75-2	℃	110
Max.service temperature-short term	ISO 75-2	℃	140
Max.service temperature-long term	ISO 75-2	℃	100
Thermal Conductivity	23℃	℃	0.31
CLTE	DIN 11359	10 ⁻⁴ *K ⁻¹	1.1
Electrical Properties			
Surface Resistivity	IEC60093	Ohm (Ω)	>10 ¹³
Volume Resistivity	IEC60093	Ohm (Ω) * cm	>10 ¹³
Dielectric strength	IEC60243-1	KV/mm	>40
Dielectric Constant at 1MHz	IEC60250	10 ⁶ Hz	3.8
Dielectric Loss Coefficient at 1MHz	IEC60250	10 ⁶ Hz	0.005
Miscellaneous Data			
Flammability	UL94		HB

NOTE: The information contained herein are typical values intended for reference by our factory and comparison purposes only. They should NOT be used as a basis for design specifications or quality control. Noegem will not provide any legally binding guarantee of certain properties, or any suitability.