

Properties of ESD POM Plastic Material

Item	Test Method	Unit	Value
Color	-	-	Natural / Black
Density	-	g/cm ³	1.45
Humidity saturation (23 °C/50%RH)	DIN ENISO 62	%	0.8
Flammability (UL94)	ISO 1210	-	HB/HB
Yield elongation	DIN ENISO 527	Mpa	40
Segmental elongation	DIN ENISO 527	%	15
Tensile modulus of elasticity	DIN ENISO 527	Mpa	1500
Notched impact strength	ISO 176/LeA/Pendel 1J	JK/m ²	5
Ball pressure Hardness	DIN ENISO 2039-1	N/mm ²	80
CC Hardness	DIN 53505	Skalad	76
Dissolution temperature	ISO 11357	°C	165
Thermal conductivity	DIN 52612	W/(Mk)	/
Specific heat	DIN 52612	KJ(KgK)	/
Coefficient of linear thermal expansion	Average 20°C -60°C	10-6K-1	150
Heat resistance (continuous)	-	°C	90
Heat resistance (short-term)	-	°C	140
Thermal distortion temperature	DIN ENISO 75	°C	106
Volume resistivity	IEC 60093	Ω/cm	108-109
Surface resistivity	IEC 60093	Ω/cm	108-109