

4POM 10I30000

POM

4Plas

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	27	g/10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Mechanical properties			
ISO Data			
Tensile Modulus	2850	MPa	ISO 527
Stress at break	630	MPa	ISO 527
Strain at break	40	%	ISO 527
Flexural modulus, 23°C	2700	MPa	ISO 178
Izod notched impact strength, +23°C	6	kJ/m ²	ISO 180/1A
ASTM Data			
Rockwell Hardness	M 80	-	ASTM D 785
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	165	°C	ISO 11357-1/-3
Temp. of deflection under load, 0.45 MPa	100	°C	ISO 75-1/-2
Vicat softening temperature, B	103	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
ASTM Data			
Coefficient of Thermal Expansion, MD	130	E-6/K	ASTM D 696
DTUL @ 66 psi	158	°C	ASTM D 648
Electrical properties			
ISO Data			
Volume resistivity	1E12	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
ASTM Data			
Dielectric Strength, Short Time	19	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.007	-	ASTM D 150
Dielectric Constant, 1 MHz	3.7	-	ASTM D 150
Other properties			
Density	1410	kg/m ³	ISO 1183

Characteristics**Regional Availability**

Europe