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Technical Data for M-PLON100 (100% Virgin PEEK)

Property	Unit	Test Method	Specification
1. Mechanical Properties			
Tensile Strength, Yield, @23°C	MPa	ISO 527/ ASTM D 638	98-110
Tensile Elongation at Break @23°C	%	ISO 527/ ASTM D 638	30-40
Compressive Strength	Kgf/cm ²	ASTM D 695	85
Hardness	Shore D	ASTM D 2240/785	85
Flexural Strength @23°C	MPa	ISO 178	160
Flexural Modulus @23°C	GPa	ISO 178	3.8
Co-efficient of friction (dynamic)			0.25
Izod Impact Strength- Noched @23°C	kJ/m ²	ISO 180 A	7
2. Thermal Properties			
Melting Point	° C	ISO 11357	343
Glass Transition (Tg)- Onset	° C	ISO 11357	143
Glass Transition (Tg)- Mid Point	° C	ISO 11357	150
3. Flow			
Melt Viscosity @ 400° C	Pa. s	ISO 11443	350
4. Miscellaneous			
Density	Gm/cc	ISO 1183	1.3
Bulk Density	Gm/cc	ISO 1183	0.3

* Note: The following readings have been given without any kind of responsibility taken, expected or impli