

POLITAL® TECHNICAL VALUES			
	Unit	Test Method ISO	Value
General Properties			
Density	gr/cm ³	1183	1,40
Water Absorption (saturation in water of 23°C)	%	62	0,9
Mechanical Properties			
Tensile Strength at Break	Kg/cm ²	527	630
Tensile Modulus of Elasticity	MPa	527	2800
Elongation at Break	%	527	30
Impact Resistance (Charpy, unnotched)	Kj/m ²	179	No break
Impact Resistance (Izod, notched)	Kj/m ²	180	8
Hardness	Shore D	868	83
Coefficient of Friction, Dynamic		-	0,30
Thermal Properties			
Melting Temperature	°C	-	168
Maximum Allowable Service Temperature in Air - Continuous	°C	-	90
Minimum Allowable Service Temperature in Air - Continuous	°C	-	-30
Coefficient of Linear Thermal Expansion	°C ⁻¹	11359	1x10⁻⁴
Heat Conductivity	W/m°C	8301	0,31
Electrical Properties			
Electric Strength	Kv/mm	60243	55

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