

Nylon 6 Rod Cast

Natural

Technical Sheet



	Test	Unit	Value
Density	ISO1183:1987	g/cm3	1.145
Moisture Absorption (Equilibrium)	ISO 62:1999	%	-
Water Absorption (24 Hours)	ISO 62:1999 (modified)	%	0.3
Water Absorption (Saturation)	ISO 62:1999	%	7
Tensile strength	ISO 527-1/2:1993	MPa	80
E-modulus	ISO 527-1/2:1993	MPa	4000
Elongation at break	ISO 527-1/2:1993	%	>20
Compressive Strength	ISO 604:2002	MPa	95
Compressive Modulus	ISO 604:2002	MPa	2700
Flexural Strength*	ISO 178:2001	MPa	105
Flexural Modulus	ISO 178:2001	MPa	3300
Izod Impact Strength	ISO 180:2000	KJ/m2	5.6
Charpy Impact Strength	ISO 179-2:1999	KJ/m2	-
Hardness (Shore D)	ISO 868:2003	-	84
Coefficient of Friction (Dynamic)		-	0.39
Limiting PV		MPa/m.min	-
Wear Rate		mg/km	0.44
K-Factor		mm3/Nm	5.0 x 10-6

All The above information is for guide purposes only. The data has been taken from standard test results provided by manufactures.