

Nylon 6 Sheet Cast

Technical Sheet

Natural



	Test	Unit	Value
Density	ISO 1183-1	g/cm ³	1.15
Moisture Absorption (In air)		%	2.2
Water Absorption (24 Hours)	ISO 62	%	0.65
Water Absorption (Saturation)		%	6.5
Tensile strength	ISO 527-1/2	MPa	88
E-modulus	ISO 527-1/2	MPa	3600
Elongation at break	ISO 527-1/2	%	25
Compressive Strength 1/2/5% Normal strain	ISO 604	MPa	34/64/93
Tensile Strength at yield	ISO 527-1-2	%	5
Tensile Strength at break	ISO 527-1/2	%	25
Charpy Impact Strength - Unnotched	ISO 179-1/1EU	KJ/m ²	No break
Charpy Impact Strength - Notched	ISO 179-1/1EA	KJ/m ²	3
Rockwell Hardness	ISO 2039-2	-	M88
Coefficient of Friction (Dynamic)		-	0.4-0.6
Electric Strength (Dry)	ISO 60243-1	Kv/mm	25
Volume Resistivity (Dry)	IEC 60093	Ohm.cm	>10 ¹⁴
Surface Resistivity (Dry)	IEC 60093	Ohm	>10 ¹³

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