

# Nylon 6 Sheet Cast Technical Sheet

Green Oil-Filled



	Test	Unit	Value
Density	ISO 1183-1	g/cm <sup>3</sup>	1.135
Moisture Absorption (In air)		%	2
Water Absorption (24 Hours)	ISO 62	%	0.66
Water Absorption (Saturation)		%	6.3
Tensile strength	ISO 527-1/2	MPa	72
E-modulus	ISO 527-1/2	MPa	3000
Elongation at break	ISO 527-1/2	%	25
Compressive Strength 1/2/5% Normal strain	ISO 604	MPa	31/58/85
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 <sup>2</sup>	50
Charpy Impact Strength - Notched	ISO 179-1/1EA	KJ/m <sup>2</sup>	4
Rockwell Hardness	ISO 2039-2	-	M82
Coefficient of Friction (Dynamic)		-	0.2-0.35
Electric Strength (Dry)	ISO 60243-1	Kv/mm	22
Volume Resistivity (Dry)	IEC 60093	Ohm.cm	>10 <sup>14</sup>
Surface Resistivity (Dry)	IEC 60093	Ohm	>10 <sup>13</sup>

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