



<b>POLYAMIDE- NYLON PA6 RODS TEST CERTIFICATE</b>	
PRODUCT	PA6 NYLON RODS
DIA METER	6MM - 400MM
LENGTH	1 MTR
Melting Temperature	2150C
Density	1.14-1.16g/cm <sup>3</sup>
Tensile strength at yield	750-850 kg/cm <sup>3</sup>
Elongation at yield	12-13%
E-modulus	24,000 to 26,300 kg/cm <sup>3</sup>
Hardness Rockwell 230C	R 107 -112
Durometre 230C	D 82-89
Temperature of deflection	800C
Compression Strength at yield	940 kg/cm <sup>3</sup>
Notched impact strength	5-11 kg cm/cm
Impact strength at +200C	10 kg cm/cm
Water absorption at 200C	0.3-3%
Flexural strength	1000-1350 kg/cm <sup>2</sup>
Resistance to heat (continuous)	In Air 80 °C
	In Water 100°C
	In Oil 140°C
Effect of weak acids	Resistant
Effect of strong acids	Attacked
Effect of weak alkalies	None
Effect of strong alkalies	None
Effect of Organic Solvents	Resistant to common solvents

**We confirmed that the above mentioned properties comply with the material supplied**



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