



Semi-Flexible Nylon 6/6 Tubing

Physical Characteristics	Unit	Method	Results	
			SI	English
Specific Gravity	Kg/d m ³	ASTM D792	1.13	
Melting Point	°C	DSC	260	500° F
Mould Shrinkage	%	ASTM D955	1.80	
Water Absorption	%	ASTM D570	0.80	
Mechanical Characteristics	Unit	Method	Results	
			SI	English
Tensile Yield Strength	N/mm ²	ASTM D638	75	10,875 PSI
Ultimate Elongation	%	ASTM D638	40	
Tensile Modulus	N/mm ²	ASTM D638	2500	362,500 PSI
Flexural Strength	N/mm ²	ASTM D790	85	12,325 PSI
Izod Impact Strength (Notched)	KJ/m ²	ASTM D256	55 (FT#/I N ₂)	26.18
Thermal Characteristics	Unit	Method	Results	
			SI	English
Heat Distorsion Temp.	°C	ASTM D648	95	203° F
Heat Distorsion Temp.	°C	ASTM D648	220	428° F
Softening Point VICAT A	°C	ASTM D1525	235	455° F
Continuous Service Temp.	°C		90	194° F
Max Service Temp.	°C		150	302° F
Other Characteristics	Unit	Method	Results	
			SI	English
Average Moulding Temp.	°C		275	527° F
Suggest Mould Temp.	°C		20	68° F
Flammability		UL-94	1.6 mm	
Glow Wire Test		IEC 695-2-1	1.6 mm	