

Nylene® NX5703

Polyamide 6

Custom Resins Group

Message:

Medium viscosity resin designed for extrusion applications requiring good flexibility and high strength
Ideally suited for mono-filament extrusion such as fish line and netting, sewing thread, and weaving thread
Optimum processing conditions should provide a melt temperature of 450°F - 475°F at the die

General Information			
Features	Good Flexibility		
	High Strength		
	Medium Viscosity		
Uses	Monofilaments		
	Netting		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	70.3	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	140	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	62.2	°C	ASTM D648
Extrusion	Nominal Value	Unit	
Melt Temperature	232 to 246	°C	

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