Nylene® 603

Polyamide 6

Custom Resins Group

Message:

Plasticized, high residual monomer resin designed for extrusion applications requiring excellent flexibility, high strength and good abrasion resistance
Applications include flexible tubing, cable jacketing, and mono-filament extrusion such as fish line and netting, sewing thread, and weaving thread
Optimum processing conditions should permit for a melt temperature of approximately 450°F at the die.

General Information			
Additive	Plasticizer		
Features	Good Abrasion Resistance Good Flexibility High Strength		
Uses	Cable Jacketing Monofilaments Netting Tubing		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.14	g/cm³	ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (23°C)	88.3	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	250	%	ASTM D638
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	190	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	168	°C	
1.8 MPa, Unannealed	71.1	°C	
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	232	°C	

Recommended distributors for this material

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