

Nylene® 601

Polyamide 6
Custom Resins Group

Message:

Heat stabilized version of NYLENE 600 which is a general purpose, medium viscosity, extrusion grade resin used in applications such as rods, slabs, and tubing
Other applications include wire jacketing and centrifugal casting which require good dielectric properties, toughness, and fatigue resistance
Optimum processing conditions should provide a melt temperature of 480°F - 500°F at the die

General Information			
UL YellowCard	E40081-231516		
Additive	Heat Stabilizer		
Features	Fatigue Resistant		
	General Purpose		
	Good Electrical Properties		
	Good Toughness		
	Heat Stabilized		
	Medium Viscosity		
Uses	General Purpose		
	Pressed Slabs		
	Rods		
	Tubing		
	Wire Jacketing		
Processing Method	Casting		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	82.7	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	70	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	175	°C	
1.8 MPa, Unannealed	75.0	°C	
Flammability	Nominal Value		Test Method

Flame Rating (1.47 mm)	V-2	UL 94
Extrusion	Nominal Value	Unit
Melt Temperature	249 to 260	°C

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