

# Nylene® 600

Polyamide 6

Custom Resins Group

Message:

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 481°F - 500°F at the die

General Information	
---------------------	--

UL YellowCard	E40081-231515
---------------	---------------

Features	Fatigue Resistant
	General Purpose
	Good Electrical Properties
	Good Toughness
	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 <sup>3</sup>	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 (1.8 MPa, Unannealed)	62.2	°C	ASTM D648
---	------	----	-----------

Flammability	Nominal Value	Test Method
--------------	---------------	-------------

Flame Rating (1.47 mm)	V-2	UL 94
------------------------	-----	-------

Extrusion	Nominal Value	Unit
-----------	---------------	------

Melt Temperature	249 to 260	°C
------------------	------------	----

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
Phone: +86 13424755533  
Email: sales@su-jiao.com  
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

