

# Nylene® NX4301

## TECHNICAL DATASHEET

TDS Ref # 193 Reviewed: 7/29/2013

### DESCRIPTION

- High viscosity, UV stabilized extrusion grade nylon resistant to degradation by ultraviolet light
- The elevated quality of UV resistance is attributed to highly uniform dispersion of 2% carbon black
- With an ASTM viscosity of 200, NX4301 has very good melt flow and melt strength characteristics which are important for profile extrusion
- Optimum processing conditions should permit for a melt temperature of 550 - 575°F at the die. (Available in black only)

PROPERTIES	TEST METHOD	UNIT	VALUE
<b>PHYSICAL PROPERTIES</b>			
Specific Gravity	D792	n/a	1.17
<b>MECHANICAL PROPERTIES</b>			
Elongation	D638	%	140
Flexural Modulus	D790	psi	17,000
Notched Izod @ 23°C	D256	ft. lb./ in. (J/m)	1.0
Tensile Strength	D638	psi (MPa)	10,200
<b>THERMAL PROPERTIES</b>			
HDT @ 264 psi	D648	°F	144

### NOTES

- Testing conducted on dry-as-molded specimens at 73°F

### CHARACTERISTICS

Resin Type: Nylon 6  
Product Characteristics:  
Unreinforced, UV Stabilized, High RV

### EXTRUSION PROCESSING

Tubing & Profile

### MARKETS USED

- Extrusion

### APPLICATIONS

- Profile extrusion

### DISCLAIMER

The data set forth herein has been carefully compiled by Nylene in our laboratories. Values shown are typical properties and not specifications. Since processing variables will affect properties, the reproducibility of our data in a customer's testing facility is not guaranteed. There is no warranty of any kind, either expressed or implied, applicable to the use of this information, and the user assumes all risk and liability in connection therewith.



**Headquarters and Facility:**  
55 Haul Road, Wayne, NJ 07470  
P: 973-694-4141 | F: 973-694-3549

**North American Sales Office:**  
31700 Telegraph Rd. Suite 235, MI 48025  
P: 248-377-6769 | F: 248-377-3845

**Nylene Custom Resins Facility:**  
1421 Hwy 136 W. Henderson, KY 42420  
P: 270-826-7641 | TF: 800-626-7050

**Nylene Canada Facility**  
200 McNab Street, Arnprior ON, K7S 3P2  
P: 613-623-3191 | TF: 800-267-7394

For a complete listing of our global offices, visit:  
[www.nylene.com/contactus](http://www.nylene.com/contactus)

[www.nylene.com](http://www.nylene.com) | [info@nylene.com](mailto:info@nylene.com)

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