

Nylene® 2403 HSSP BK

TECHNICAL DATASHEET

TDS Ref # 747 Reviewed: 7/15/2013

DESCRIPTION

- High viscosity nylon copolymer with enhanced impact and high flexibility
- One of a family of grades specifically designed for the convoluted tubing industry, but can also be used for other extrusions and some molded parts.
- Optimized with good melt strength for high line speeds in thin wall sections.
- Very good physical properties and excellent extrusion characteristics to support extrusion of very complex profiles.

PROPERTIES	TEST METHOD	UNIT	VALUE
PHYSICAL PROPERTIES			
Specific Gravity	D792	n/a	1.07
MECHANICAL PROPERTIES			
Elongation @ Break	(%)	psi (MPa)	125
Flexural Modulus	D790	psi (MPa)	160,000 (1,100)
Notched Izod @ 23°C	D256	ftlb/in (J/m)	2.8 (150)
Tensile Strength	D638	psi (MPa)	6,140 [46]
THERMAL PROPERTIES			
DTUL @ 1820 kPa	D648	°F (°C)	102 (39)
Melt Point	D3418	°F (°C)	475 (246)

NOTES

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

CHARACTERISTICS

Resin Type: Nylon 6
Product Characteristics:
Unreinforced, Copolymer, High RV

EXTRUSION PROCESSING

Tubing & Profile

INJECTION MOLDING PROCESSING

Prime Grade

FEATURES

- Designed for convoluted tubing
- Enhanced impact and high flexibility
- High viscosity
- Low cost, heat resistance
- Used for other extrusions & molded parts

MARKETS USED

- Automotive Applications
- Tool & Appliance
- Lawn and Garden
- Convoluted Tubing Industry

APPLICATIONS

- Convoluted Tubing

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.



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