

Nylene® 9643

TECHNICAL DATASHEET

TDS Ref # 169 Reviewed: 2/2/2015

DESCRIPTION

- 43% glass fiber reinforced nylon 6,6/6 injection molding grade
- High strength and stiffness of reinforced nylon, lower crystallinity associated with nylon 6,6/6
- UV for UV protection and UW for Weatherability.

PROPERTIES	TEST METHOD	UNIT	VALUE
PHYSICAL PROPERTIES			
Mold Shrinkage	n/a	in/in	0.2
Specific Gravity	D792	n/a	1.46
MECHANICAL PROPERTIES			
Elongation	D638	%	3
Flexural Modulus	D790	psi (MPa)	1,379,000 (9495)
Notched Izod @ 23°C	D256	ft. lb./ in. (J/m)	1.9 (102)
Tensile Strength	D638	psi (MPa)	26,000 (179)
THERMAL PROPERTIES			
DTUL @ 264 psi/1.82 MPa	D648	°F (°C)	428 (220)
DTUL @ 66 psi/0.45 MPa	D648	°F (°C)	446 (230)
Melt Point	D3418	°F (°C)	455 (235)

NOTES

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

PROCESSING CONSIDERATIONS: SPECIALTY SPECIALTY 66/6

Please contact for processing information on this product.

CHARACTERISTICS

Resin Type: Nylon 6/6/6
Product Characteristics:
Glass Reinforced, Copolymer, UV Stabilized

INJECTION MOLDING PROCESSING

Prime Grade

MARKETS USED

- General Applications
- Sports & Leisure
- Lawn and Garden

APPLICATIONS

- Bracket
- Handles
- Housing

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

www.nylene.com | info@nylene.com

Copyright ©2019, Nylene. All rights reserved. Nylene is a designated trademark of Polymeric Resources Corporation.