

Nylene® 7139 HS

TECHNICAL DATASHEET

TDS Ref # 148 Reviewed: 2/2/2015

DESCRIPTION

- Nylon 6/6 Homopolymer resin with increased wear resistance and lubricity.
- Suitable for injection molding applications.
- Has the inherent strength, lubricity, and chemical resistance common to nylon 6/6 homopolymer materials while exhibiting lower friction and wear characteristics.

PROPERTIES	TEST METHOD	UNIT	VALUE
PHYSICAL PROPERTIES			
Specific Gravity	D792	n/a	1.20
MECHANICAL PROPERTIES			
Elongation	D638	%	20
Flexural Modulus	D790	MPa (psi)	2860 (415,000)
Notched Izod @ 23°C	D256	ft. lb./ in. (J/m)	1.0 (53)
Tensile Strength	D638	psi (MPa)	11,500 (79)
THERMAL PROPERTIES			
DTUL @ 264 psi/1.82 MPa	D648	°F (°C)	194 (90)
Melt Point	D3418	°F (°C)	490 (254)

NOTES

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

CHARACTERISTICS

Resin Type: Nylon 6/6
Product Characteristics:
Heat Stabilized

INJECTION MOLDING PROCESSING

Prime Grade

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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