

Nylene® NX4747

TECHNICAL DATASHEET

TDS Ref # 198 Reviewed: 9/16/2015

DESCRIPTION

- Heat stabilized nylon copolymer with 14% glass fiber reinforcement
- Suitable for such uses as under-the-hood fluid reservoirs
- Maximum clarity is achieved by using low mold temperatures
- Developed to have excellent light transmittance combined with high strength, stiffness, and resistance to automotive type fluids

PROPERTIES	TEST METHOD	UNIT	VALUE
PHYSICAL PROPERTIES			
Specific Gravity	D792	n/a	1.23
MECHANICAL PROPERTIES			
Elongation	D638	%	3.5
Flexural Modulus	D790	psi (MPa)	770,000 (5310)
Notched Izod @ 23°C	D256	ft. lb./ in. (J/m)	1.3 (70)
Tensile Strength	D638	psi (MPa)	18,000 (124)
THERMAL PROPERTIES			
DTUL @ 264 psi/1.82 MPa	D648	°F (°C)	370 (188)
Melt Point	D3418	°F (°C)	410 (210)

NOTES

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

CHARACTERISTICS

Resin Type: Copolymers
Product Characteristics:
Glass Reinforced, Copolymer, Heat Stabilized, Low RV

INJECTION MOLDING PROCESSING

Prime Grade

MARKETS USED

- Automotive Applications

APPLICATIONS

- Fuel Reservoirs
- Overflow Reservoirs
- Power Steering Reservoir

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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