

LNPTM THERMOCOMPTM COMPOUND RF0029S

RF-1002 FR HS

DESCRIPTION

LNP THERMOCOMP RF0029S compound is based on Nylon 6/6 resin containing 10% glass fiber. Added features of this grade include: Flame Retardant, Heat Stabilized.

GENERAL INFORMATION	
Features	Flame Retardant, Heat Stabilized, High stiffness/Strength, No PFAS intentionally added
Fillers	Glass Fiber
Polymer Types	Polyamide 66 (Nylon 66)
Processing Techniques	Injection Molding

INDUSTRY	SUB INDUSTRY
Building and Construction	Building Component
Consumer	Sport/Leisure, Personal Accessory, Home Appliances, Commercial Appliance
Electrical and Electronics	Mobile Phone - Computer - Tablets
Industrial	Electrical

TYPICAL PROPERTY VALUES

Revision 20231109

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL (1)			
Tensile Stress, yield	102	MPa	ISO 527
Tensile Stress, break	102	MPa	ISO 527
Tensile Strain, yield	2.4	%	ISO 527
Tensile Strain, break	2.4	%	ISO 527
Tensile Modulus, 1 mm/min	6370	MPa	ISO 527
Flexural Stress	150	MPa	ISO 178
Flexural Modulus	5900	MPa	ISO 178
Tensile Stress, yield	101	MPa	ASTM D638
Tensile Stress, break	101	MPa	ASTM D638
Tensile Strain, yield	2.5	%	ASTM D638
Tensile Strain, break	2.5	%	ASTM D638
Tensile Modulus, 50 mm/min	6890	MPa	ASTM D638
Flexural Stress	151	MPa	ASTM D790
Flexural Modulus	5510	MPa	ASTM D790
IMPACT (1)			
Izod Impact, notched 80*10*4 +23°C	5	kJ/m²	ISO 180/1A
Izod Impact, unnotched 80*10*4 +23°C	33	kJ/m²	ISO 180/1U
Multiaxial Impact	1	J	ISO 6603
Izod Impact, notched, 23°C	42	J/m	ASTM D256
Izod Impact, unnotched, 23°C	501	J/m	ASTM D4812





- (1) The information stated on Technical Datasheets should be used as indicative only for material selection purposes and not be utilized as specification or used for part or tool design.
- (2) UL Ratings shown on the technical datasheet might not cover the full range of thicknesses and colors. For details, please see the UL Yellow Card.
- (3) Measurements made from laboratory test coupon. Actual shrinkage may vary outside of range due to differences in processing conditions, equipment, part geometry and tool design. It is recommended that mold shrinkage studies be performed with surrogate or legacy tooling prior to cutting tools for new molded article.
- (4) Injection Molding parameters are only mentioned as general guidelines. These may not apply or may need adjustment in specific situations such as low shot sizes, large part molding, thin wall molding and gas-assist molding.

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