

LNP* Lubricomp* Compound PFI12R

Americas: COMMERCIAL

Also known as: PFL-4412 MR
Product Reorder Name: PFI12R

LNP* Lubricomp* PFI12R is a compound based on Nylon 6 resin containing Glass Fiber, Silicone. Added features of this material include: Internally Lubricated, Mold Release.

Property

TYPICAL PROPERTIES ⁽¹⁾			
	Value	Unit	Standard
MECHANICAL			
Tensile Stress, break	105	MPa	ASTM D 638
Tensile Strain, break	3.2	%	ASTM D 638
Tensile Modulus, 50 mm/min	4950	MPa	ASTM D 638
Flexural Stress	151	MPa	ASTM D 790
Flexural Modulus	5250	MPa	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	713	J/m	ASTM D 4812
Izod Impact, notched, 23°C	53	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	202	°C	ASTM D 648
PHYSICAL			
Density	1.19	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs	0.5	%	ASTM D 955

Source GMD, last updated:01/02/2007

Processing

THESE PROPERTY VALUES ARE NOT INTENDED FOR SPECIFICATION PURPOSES.

PLEASE CHECK WITH YOUR [\(LOCAL SALES OFFICE\)](#) FOR AVAILABILITY IN YOUR REGION

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.

(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

(4) Internal measurements according to UL standards.

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