

LNP* Stat-kon* Compound PFD06

Americas: COMMERCIAL

Also known as: PF-30
Product Reorder Name: PFD06

LNP* STAT-KON* PF306 is a compound based on Nylon 6 resin containing Glass Fiber, Carbon Powder. Added features of this material include: Electrically Conductive.

Property

TYPICAL PROPERTIES ⁽¹⁾			
	Value	Unit	Standard
MECHANICAL			
Tensile Stress, break	159	MPa	ASTM D 638
Tensile Strain, break	2.3	%	ASTM D 638
Tensile Modulus, 50 mm/min	11720	MPa	ASTM D 638
Flexural Stress	241	MPa	ASTM D 790
Flexural Modulus	11030	MPa	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	907	J/m	ASTM D 4812
Izod Impact, notched, 23°C	106	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	206	°C	ASTM D 648
PHYSICAL			
Density	1.43	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.5	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs	0.4	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	1.2	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs	0.38	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	1.15	%	ISO 294
Moisture Absorption (23°C / 50% RH)	0.91	%	ISO 62
ELECTRICAL			
Volume Resistivity	1.E+03	Ohm-cm	ASTM D 257
Surface Resistivity	1.E+00 - 6.E+00	Ohm	ASTM D 257

Source GMD, last updated:08/02/2005

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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