

LNP* Stat-kon* Compound WEF32ISP

Europe-Africa-Middle East:
COMMERCIAL

LNP * Stat-kon* WEF32ISP is a compound based on Polybutylene Terephthalate resin containing Glass Fiber and Carbon Fiber. Added features include High Impact, Heat Stabilized and Electrically Conductive.

Property

TYPICAL PROPERTIES ⁽¹⁾			
	Value	Unit	Standard
MECHANICAL			
Tensile Stress, break, 5 mm/min	101	MPa	ISO 527
Tensile Strain, break, 5 mm/min	4	%	ISO 527
Flexural Stress, break, 2 mm/min	152	MPa	ISO 178
Flexural Modulus, 2 mm/min	7800	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	65	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	17	kJ/m ²	ISO 180/1A
THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	191	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow	0.15	%	SABIC Method
Density	1.36	g/cm ³	ISO 1183
ELECTRICAL			
Surface Resistivity	1.E+03 - 1.E+05	Ohm	ASTM D 257

Source GMD, last updated:11/20/2007

Processing

Parameter	Value	Unit
Injection Molding		
Drying Temperature	120	°C
Drying Time	4	hrs
Maximum Moisture Content	0.05	%
Melt Temperature	240 - 265	°C
Front - Zone 3 Temperature	260 - 270	°C
Middle - Zone 2 Temperature	245 - 255	°C
Rear - Zone 1 Temperature	220 - 230	°C
Mold Temperature	80 - 100	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm

Source GMD, last updated:11/20/2007

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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