

LNP* Stat-kon* Compound FD000

Americas: COMMERCIAL

Also known as: STAT-KON F-
Product Reorder Name: FD000

LNP* Stat-Kon* FD000 is an unfilled Polyethylene. Characteristics of this grade are Statically Conductive.

Property

TYPICAL PROPERTIES ⁽¹⁾			
	Value	Unit	Standard
MECHANICAL			
Tensile Stress, yld, Type I, 5 mm/min	33	MPa	ASTM D 638
Tensile Stress, brk, Type I, 5 mm/min	32	MPa	ASTM D 638
Tensile Strain, yld, Type I, 5 mm/min	6.1	%	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	9	%	ASTM D 638
Tensile Modulus, 50 mm/min	2220	MPa	ASTM D 638
Flexural Modulus, 1.3 mm/min, 50 mm span	1300	MPa	ASTM D 790
Tensile Stress, yield, 5 mm/min	32	MPa	ISO 527
Tensile Stress, break, 5 mm/min	31	MPa	ISO 527
Tensile Strain, yield, 5 mm/min	5.5	%	ISO 527
Tensile Strain, break, 5 mm/min	6.5	%	ISO 527
Tensile Modulus, 1 mm/min	1400	MPa	ISO 527
Flexural Stress	30	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	890	J/m	ASTM D 4812
Izod Impact, notched, 23°C	19	J/m	ASTM D 256
Multiaxial Impact	14	J	ISO 6603
Instrumented Impact Total Energy, 23°C	13	J	ASTM D 3763
Izod Impact, unnotched 80*10*4 +23°C	53	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	2	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	90	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	51	°C	ASTM D 648
CTE, -30°C to 30°C, flow	1.14E+02	1/°C	ASTM D 696
CTE, -30°C to 30°C, xflow	1.11E+02	1/°C	ASTM D 696
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	84	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	51	°C	ISO 75/Af
PHYSICAL			
Density	1.05	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.02	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs	2 - 3	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	1 - 2	%	ASTM D 955
Density	1.04	g/cm ³	ISO 1183
Moisture Absorption (23°C / 50% RH)	0.02	%	ISO 62
ELECTRICAL			
Surface Resistivity	1.E+00 - 3.E+00	Ohm	ASTM D 257

Source GMD, last updated:2009/04/13

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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