

LNP* Stat-kon* Compound Noryl_NC2525

Americas: COMMERCIAL

LNP* Stat-kon* Noryl_NC2525 compound is a 25% CFR PPE+PS. Highly conductive. High heat. May be added to similar material/regrind to add some conductivity to the blend.

Property

TYPICAL PROPERTIES ⁽¹⁾			
MECHANICAL	Value	Unit	Standard
Tensile Stress, yld, Type I, 5 mm/min	106	MPa	ASTM D 638
Tensile Stress, brk, Type I, 5 mm/min	106	MPa	ASTM D 638
Tensile Strain, yld, Type I, 5 mm/min	2.5	%	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	2.5	%	ASTM D 638
Tensile Modulus, 5 mm/min	20680	MPa	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	148	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	15850	MPa	ASTM D 790
IMPACT	Value	Unit	Standard
Izod Impact, unnotched, 23°C	176	J/m	ASTM D 4812
Izod Impact, notched, 23°C	42	J/m	ASTM D 256
Instrumented Impact Total Energy, 23°C	9	J	ASTM D 3763
THERMAL	Value	Unit	Standard
Vicat Softening Temp, Rate B/50	179	°C	ASTM D 1525
HDT, 0.45 MPa, 3.2 mm, unannealed	177	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	170	°C	ASTM D 648
CTE, -40°C to 40°C, flow	1.8E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	1.08E-04	1/°C	ASTM E 831
PHYSICAL	Value	Unit	Standard
Mold Shrinkage, flow, 3.2 mm	0.4 - 0.6	%	SABIC Method
Mold Shrinkage, xflow, 3.2 mm	0.45 - 0.65	%	SABIC Method
Melt Flow Rate, 300°C/5.0 kgf	15.3	g/10 min	ASTM D 1238
ELECTRICAL	Value	Unit	Standard
Volume Resistivity	0.E+00	Ohm-cm	ASTM D 257
Surface Resistivity	1.E+03	Ohm	ASTM D 257
Static Decay, 5000V to <50V	0.01	< seconds	FTMS101B

Source GMD, last updated:03/02/2000

Processing

Parameter	Value	Unit
Injection Molding		
Drying Temperature	110 - 120	°C
Drying Time	2 - 4	hrs
Drying Time (Cumulative)	8	hrs
Maximum Moisture Content	0.02	%
Melt Temperature	305 - 335	°C
Nozzle Temperature	305 - 335	°C
Front - Zone 3 Temperature	300 - 335	°C
Middle - Zone 2 Temperature	300 - 325	°C

Rear - Zone 1 Temperature	295 - 320	°C
Mold Temperature	95 - 130	°C
Back Pressure	0.3 - 0.7	MPa
Screw Speed	50 - 100	rpm
Shot to Cylinder Size	30 - 70	%
Vent Depth	0.038 - 0.051	mm

Source GMD, last updated:03/02/2000

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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