



LNP™ STAT-KON™ Compound RX04031

Europe-Africa-Middle East: COMMERCIAL

LNP STARFLAM RX04031 is a compound based on PA66 resin containing Carbon Fiber, Glass Fiber, Flame Retardant. Added features include: Non-Brominated & Non-Chlorinated Flame Retardant, Electrically Conductive, Easy Molding.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break, 5 mm/min	184	MPa	ISO 527
Tensile Strain, break, 5 mm/min	2	%	ISO 527
Flexural Stress, break, 2 mm/min	264	MPa	ISO 178
Flexural Modulus, 2 mm/min	15000	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	63	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	9	kJ/m ²	ISO 180/1A
THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	218	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow (5)	0.2	%	SABIC Method
Density	1.47	g/cm ³	ISO 1183
ELECTRICAL			
Surface Resistivity	1.E+03 - 1.E+04	Ohm	ASTM D 257
FLAME CHARACTERISTICS			
UL Recognized, 94V-0 Flame Class Rating (3)	0.8	mm	UL 94
Glow Wire Flammability Index 960°C, passes at	1.6	mm	IEC 60695-2-12



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Maximum Moisture Content	0.15 - 0.25	%
Melt Temperature	265 - 275	°C
Front - Zone 3 Temperature	260 - 270	°C
Middle - Zone 2 Temperature	255 - 265	°C
Rear - Zone 1 Temperature	250 - 260	°C
Mold Temperature	60 - 100	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm