

LNP* Starflam* Compound RF0057EP

Asia Pacific: COMMERCIAL

Also known as: LNP* Starflam* Compound RF-1005 Z270

Product reorder name: RF0057EP

LNP* Starflam* RF0057EP is a compound based on Nylon 66 resin containing Glass Fiber, Flame Retardant. Added features of this material include: Flame Retardant, Non-Brominated & Non-Chlorinated Flame Retardant.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	UNIT	STANDARD
MECHANICAL			
Tensile Stress, break	140	MPa	ISO 527
Tensile Strain, break	3	%	ISO 527
Tensile Modulus, 1 mm/min	9400	MPa	ISO 527
Flexural Stress	205	MPa	ISO 178
Flexural Modulus	8000	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	54	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	10	kJ/m ²	ISO 180/1A
THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	245	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow, 24 hrs	0.2 - 0.4	%	ISO 294
Density	1.39	g/cm ³	ISO 1183
FLAME CHARACTERISTICS			
UL Compliant, 94V-0 Flame Class Rating (3)(4)	0.8	mm	UL 94 by GE

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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