

LNP* Starflam* Compound PK0032E

Europe-Africa-Middle East: COMMERCIAL

Also known as: LNP* Starflam* Compound STARFLAM PA6 15E6 U9 Z22/9/02112

Product reorder name: PK0032E

LNP* STARFLAM* PK0032E is a compound based on PA 6 resin containing Mineral, Flame Retardant. Added features include; Non-Brominated & Non-Chlorinated Flame Retardant, Easy Molding.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	UNIT	STANDARD
MECHANICAL			
Tensile Stress, yield, 5 mm/min	67	MPa	ISO 527
Tensile Stress, break, 5 mm/min	67	MPa	ISO 527
Tensile Strain, yield, 5 mm/min	2.9	%	ISO 527
Tensile Strain, break, 5 mm/min	3.2	%	ISO 527
Tensile Modulus, 1 mm/min	4700	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	107	MPa	ISO 178
Flexural Stress, break, 2 mm/min	101	MPa	ISO 178
Flexural Strain, break, 2 mm/min	6.6	%	ISO 178
Flexural Modulus, 2 mm/min	4100	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	30	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	4	kJ/m ²	ISO 180/1A
THERMAL			
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	190	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	73	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow	0.8	%	SABIC Method
Density	1.29	g/cm ³	ISO 1183
Water Absorption, 23°C/24hrs	1.6	%	ISO 62-1
FLAME CHARACTERISTICS			
UL Compliant, 94V-2 Flame Class Rating (3)(4)	1.6	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	255 - 265	°C
Front - Zone 3 Temperature	250 - 260	°C
Middle - Zone 2 Temperature	250 - 260	°C
Rear - Zone 1 Temperature	245 - 255	°C
Mold Temperature	55 - 95	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm