



LNP™ STAT-LOY™ Compound NX03583

Americas: COMMERCIAL

Also known as: LNP™ STAT-LOY™ Compound PDX-03583

Product reorder name: NX03583

LNP STAT-LOY™ NX03583 is a compound based on PC+ABS Blend resin. Added features of this material include: Antistat, Flame Retardant.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield	570	kgf/cm ²	ASTM D 638
Tensile Stress, break	500	kgf/cm ²	ASTM D 638
Tensile Strain, yield	100	%	ASTM D 638
Tensile Strain, break	5	%	ASTM D 638
Tensile Modulus, 50 mm/min	22000	kgf/cm ²	ASTM D 638
Flexural Stress	860	kgf/cm ²	ASTM D 790
Flexural Modulus	22000	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	65	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	387	cm-kgf	ASTM D 3763
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	99	°C	ASTM D 648
PHYSICAL			
Density	1.26	g/cm ³	ASTM D 792
ELECTRICAL			
Surface Resistivity	1.E+10 - 1.E+12	Ohm	ASTM D 257
FLAME CHARACTERISTICS			
UL Compliant, 94V-0 Flame Class Rating (3)(4)	1.59	mm	UL 94 by SABIC-IP



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Maximum Moisture Content	0.02	%
Melt Temperature	200 - 230	°C
Front - Zone 3 Temperature	220 - 230	°C
Middle - Zone 2 Temperature	210 - 220	°C
Rear - Zone 1 Temperature	200 - 210	°C
Mold Temperature	40 - 55	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm