LNP™ STAT-LOY™ COMPOUND NX03583

PDX-03583

DESCRIPTION

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

TYPICAL PROPERTY VALUES

Revision 20200206

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield	56	MPa	ASTM D 638
Tensile Stress, break	49	MPa	ASTM D 638
Tensile Strain, yield	100	%	ASTM D 638
Tensile Strain, break	5	%	ASTM D 638
Tensile Modulus, 50 mm/min	2150	MPa	ASTM D 638
Flexural Stress	84	MPa	ASTM D 790
Flexural Modulus	2150	MPa	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	640	J/m	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	38	J	ASTM D 3763
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	99	°C	ASTM D 648
Relative Temp Index, Elec [(1)]	60	°C	UL 746B
Relative Temp Index, Mech w/impact [(1)]	60	°C	UL 746B
Relative Temp Index, Mech w/o impact [(1)]	60	°C	UL 746B
PHYSICAL			
Density	1.26	g/cm³	ASTM D 792
ELECTRICAL			
Surface Resistivity	1.E+10 – 1.E+12	Ohm	ASTM D 257
FLAME CHARACTERISTICS [(1)]			
UL Yellow Card Link	E121562-101345277	-	-
UL Yellow Card Link 2	E207780-101345234	-	-
UL Recognized, 94V-0 Flame Class Rating	1.5	mm	UL 94
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	

© 2020 Copyright by SABIC. All rights reserved

(1) UL Ratings shown on the technical datasheet might not cover the full range of thicknesses and colors. For details, please see the UL Yellow Card.

DISCLAIMER

Any sale by SABIC, its subsidiaries and affiliates (each a "seller"), is made exclusively under seller's standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NONINFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer's particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right.

© 2020 Copyright by SABIC. All rights reserved