LNP™ STAT-KON™ COMPOUND HMC3008V

DESCRIPTION

LNP* Stat-kon* _HMC3008V compound is a 24% glass/mineral/carbon fiber reinforced resin; static dissipative; 133C HDT. Tight tolerance molding

TYPICAL PROPERTY VALUES

Revision 20191216

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Flexural Stress, yld, 2.6 mm/min, 100 mm span	155	MPa	ASTM D 790
Flexural Modulus, 2.6 mm/min, 100 mm span	9719	MPa	ASTM D 790
Tensile Stress, yld, Type I, 10 mm/min	120.67	MPa	SABIC - Japan Method
Tensile Strain, brk, Type I, 10 mm/min	6.6	%	SABIC - Japan Method
IMPACT			
Izod Impact, notched, 23°C	66.4	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 6.4 mm, unannealed	133.4	°C	ASTM D 648
PHYSICAL			
Specific Gravity	1.259	-	ASTM D 792
Melt Flow Rate, 300°C/5.0 kgf	10.6	g/10 min	ASTM D 1238
POLYMER PROPERTIES			
Ash content	17.82	% w/w	-
ELECTRICAL			
Surface Resistivity	4.2E+4	Ohm	ASTM D 257
FLAME CHARACTERISTICS (1)			
UL Yellow Card Link	E45587-237042	-	-
UL Recognized, 94V-1 Flame Class Rating	≥1.5	mm	UL 94
UL Recognized, 94V-0 Flame Class Rating	≥3	mm	UL 94
INJECTION MOLDING			
Drying Temperature	120	°C	
Drying Time	2 – 4	hrs	
Mold Temperature	80 – 110	°C	
Melt Temperature	290 – 310	°C	
Nozzle Temperature	290 – 310	°C	
Front - Zone 3 Temperature	280 – 300	°C	
Middle - Zone 2 Temperature	270 – 290	°C	
Rear - Zone 1 Temperature	270 – 290	°C	

(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.

© 2019 Copyright by SABIC. All rights reserved

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.

© 2019 Copyright by SABIC. All rights reserved