LNP™ VERTON™ COMPOUND RX89047

PDX-R-89047

DESCRIPTION

LNP VERTON RX89047 is a compound based on Nylon 66 resin containing Proprietary Fillers. Added feature of this grade is: Structural.

TYPICAL PROPERTY VALUES

Revision 20190304

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break	202	MPa	ASTM D 638
Tensile Strain, break	2.3	%	ASTM D 638
Tensile Modulus, 50 mm/min	11370	MPa	ASTM D 638
Flexural Stress	317	MPa	ASTM D 790
Flexural Modulus	9650	MPa	ASTM D 790
Tensile Stress, break	198	MPa	ISO 527
Tensile Strain, break	198	%	ISO 527
Flexural Modulus	9500	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	1014	J/m	ASTM D 4812
Izod Impact, notched, 23°C	357	J/m	ASTM D 256
Izod Impact, notched 80*10*4 +23°C	24	kJ/m²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	253	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	251	°C	ISO 75/Af
PHYSICAL			
Density	1.42	g/cm³	ASTM D 792
Density	1.41	g/cm³	ISO 1183
INJECTION MOLDING			
Drying Temperature	80	°C	
Drying Time	4	hrs	
Maximum Moisture Content	0.15 – 0.25	%	
Melt Temperature	280 – 305	°C	
Front - Zone 3 Temperature	295 – 305	°C	
Middle - Zone 2 Temperature	280 – 295	°C	
Rear - Zone 1 Temperature	265 – 275	°C	
Mold Temperature	95 – 110	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

© 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