LNP™ STAT-KON™ Compound FD000XXP

DESCRIPTION

LNP STAT-KON FD000XXP is an unfilled Polyethylene. Added feature of this grade is: Electrically Conductive.

TYPICAL PROPERTY VALUES

Revision 20261116

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Modulus, 1 mm/min	1400	MPa	ISO 527
Tensile Stress, break, 5 mm/min	31	MPa	ISO 527
Tensile Strain, break, 5 mm/min	13	%	ISO 527
Flexural Modulus	1300	MPa	ISO 178
Flexural Stress	29	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	45	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	2.0	kJ/m²	ISO 180/1A
THERMAL			
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	98	°C	ISO 75/Bf
PHYSICAL			
Density	1.030	g/cm³	ASTM D792
Mold Shrinkage on Tensile Bar, flow	1.3	%	SABIC method
Mold Shrinkage, flow	1.3	%	SABIC method
Mold Shrinkage, xflow	0.6	%	SABIC method
ELECTRICAL			
Surface Resistivity	1E02 – 1E04	Ω	ASTM D257
INJECTION MOLDING			
Drying Temperature	80	°C	
Drying Time	4	Hrs	
Front - Zone 3 Temperature	230 – 240	°C	
Middle - Zone 2 Temperature	220 – 230	°C	
Rear - Zone 1 Temperature	210 – 220	°C	
Mold Temperature	40 – 55	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

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.

© 2026 Copyright by SABIC. All rights reserved