

LNP™ KONDUIT™ RTF2B compound

Polyamide 66
SABIC Innovative Plastics

Message:

LNP* KONDUIT* RTF2B is a compound based on Nylon 66 resin containing 10% Glass Fiber, 55% Thermal Filler. Added features of this material include: Thermally Conductive.

Also known as: LNP* KONDUIT* Compound RTF-212-11

Product reorder name: RTF2B

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
	Proprietary packing, 55% packing by weight		
Features	Heat conduction		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	2.04	g/cm ³	ASTM D792
Molding Shrinkage			
Flow: 24 hours	0.90	%	ASTM D955
Transverse flow: 24 hours	1.5	%	ASTM D955
Lateral flow: 24 hours	1.5	%	ISO 294-4
Traffic: 24 hours	0.93	%	ISO 294-4
Water Absorption			
24 hr, 50% RH	0.30	%	ASTM D570
Equilibrium, 23°C, 50% RH	0.30	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	13100	MPa	ASTM D638
--	11900	MPa	ISO 527-2/1
Tensile Strength			
Fracture	102	MPa	ASTM D638
Fracture	95.0	MPa	ISO 527-2
Tensile Elongation			
Fracture	1.4	%	ASTM D638
Fracture	1.8	%	ISO 527-2
Flexural Modulus			
--	11400	MPa	ASTM D790
--	11300	MPa	ISO 178
Flexural Strength			
--	183	MPa	ASTM D790
--	174	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	37	J/m	ASTM D256
23°C ²	4.7	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			
23°C	450	J/m	ASTM D4812
23°C ³	35	kJ/m ²	ISO 180/1U
Instrumented Dart Impact			
23°C, Energy at Peak Load	10.5	J	ASTM D3763
--	2.00	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, unannealed, 3.20mm	226	°C	ASTM D648
1.8 MPa, unannealed, 64.0mm span ⁴	216	°C	ISO 75-2/Af
Thermal Conductivity	1.2	W/m/K	ASTM E1530
Injection	Nominal Value	Unit	
Drying Temperature	82	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15 - 0.25	%	
Rear Temperature	266 - 277	°C	
Middle Temperature	282 - 293	°C	
Front Temperature	293 - 304	°C	
Processing (Melt) Temp	282 - 304	°C	
Mold Temperature	93 - 110	°C	
Back Pressure	0.172 - 0.344	MPa	
Screw Speed	30 - 60	rpm	
NOTE			
1.	50 mm/min		
2.	80*10*4		
3.	80*10*4		
4.	80*10*4 mm		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT