

LNP™ THERMOCOMP™ 2X95787 compound

Ethylene Tetrafluoroethylene Copolymer

SABIC Innovative Plastics

Message:

LNP THERMOCOMP 2X95787 is a compound based on ETFE Copolymer resin containing Proprietary Filler(s).

Also known as: LNP* THERMOCOMP* Compound PDX-FP-E-95787

Product reorder name: 2X95787

General Information			
Filler / Reinforcement	Proprietary		
Features	Copolymer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density			
--	1.83	g/cm ³	ISO 1183
--	1.84	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955, ISO 294-4
Flow : 24 hr	1.8	%	
Across Flow : 24 hr	2.4	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	42700	MPa	ASTM D638
--	4050	MPa	ISO 527-2/1
Tensile Strength			
Yield	49.0	MPa	ASTM D638
Yield	47.0	MPa	ISO 527-2
Break	45.5	MPa	ASTM D638
Break	45.0	MPa	ISO 527-2
Tensile Elongation			
Yield	9.3	%	ASTM D638
Yield	8.6	%	ISO 527-2
Break	14	%	ASTM D638
Break	13	%	ISO 527-2
Flexural Modulus			
--	33800	MPa	ASTM D790
--	4000	MPa	ISO 178
Flexural Stress	66.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	480	J/m	ASTM D256
23°C ²	25	kJ/m ²	ISO 180/1A

Unnotched Izod Impact			
23°C	1300	J/m	ASTM D4812
23°C ³	83	kJ/m ²	ISO 180/1U
Instrumented Dart Impact (23°C, Energy at Peak Load)			
	19.8	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	223	°C	ASTM D648
0.45 MPa, Unannealed, 64.0 mm Span ⁴	203	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 3.20 mm	107	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ⁵	91.0	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
Drying Temperature	121 to 149	°C	
Drying Time	4.0	hr	
Rear Temperature	282 to 293	°C	
Middle Temperature	310 to 321	°C	
Front Temperature	332 to 343	°C	
Processing (Melt) Temp	316	°C	
Mold Temperature	93.3 to 121	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
NOTE			
1.	50 mm/min		
2.	80*10*4		
3.	80*10*4		
4.	80*10*4 mm		
5.	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

