

LNP* Thermocomp* RF00ASXS

Polyamide 66

SABIC Innovative Plastics Europe



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Technical Data

Product Description

LNP* Thermocomp* RF00ASXS is a compound based on PA 66 resin containing Glass Fiber. Added features include: Heat Stabilized.

Also known as: LNP* Thermocomp* Compound RF-100-10 HS or RF10010HS
Product reorder name: RF00ASXS

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet
Search for UL Yellow Card	• SABIC Innovative Plastics Europe • LNP* Thermocomp*
Availability	• Europe
Filler / Reinforcement	• Glass Fiber Reinforcement
Additive	• Heat Stabilizer
Features	• Heat Stabilized
RoHS Compliance	• RoHS Compliant
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Density	1.57 g/cm ³	ISO 1183
Molding Shrinkage - Flow ³	0.10 to 0.30 %	Internal Method
Water Absorption (23°C, 24 hr)	0.70 %	ISO 62

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	15400 MPa	ISO 527-2/1
Tensile Stress		ISO 527-2/5
Yield	210 MPa	
Break	213 MPa	
Tensile Strain (Break)	2.4 %	ISO 527-2/5
Flexural Modulus ⁴	14100 MPa	ISO 178
Flexural Strength ^{4, 5}	305 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Notched Izod Impact Strength ⁶ (23°C)	15 kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁶ (23°C)	80 kJ/m ²	ISO 180/1U

Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature ⁷		
0.45 MPa, Unannealed, 64.0 mm Span	259 °C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	246 °C	ISO 75-2/Af
CLTE		ISO 11359-2
Flow: 23 to 60°C	0.000026 cm/cm/°C	
Transverse: 23 to 60°C	0.000084 cm/cm/°C	
RTI Elec	130 °C	UL 746
RTI Imp	125 °C	UL 746
RTI Str	125 °C	UL 746

Electrical	Nominal Value Unit	Test Method
High Amp Arc Ignition (HAI)	PLC 0	UL 746
Hot-wire Ignition (HWI)	PLC 4	UL 746

Flammability	Nominal Value Unit	Test Method
Flame Rating (1.50 mm)	HB	UL 94

Injection	Nominal Value Unit
Drying Temperature	82.2 °C

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Injection	Nominal Value Unit
Drying Time	4.0 hr
Suggested Max Moisture	0.15 to 0.25 %
Rear Temperature	266 to 277 °C
Middle Temperature	282 to 293 °C
Front Temperature	293 to 304 °C
Processing (Melt) Temp	282 to 304 °C
Mold Temperature	93.3 to 110 °C
Back Pressure	0.172 to 0.344 MPa
Screw Speed	30 to 60 rpm

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ Tensile Bar

⁴ 2.0 mm/min

⁵ Yield

⁶ 80*10*4

⁷ 80*10*4 mm

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Where to Buy

Supplier

SABIC Innovative Plastics Europe

, Netherlands

Telephone: +36-1-238-5060

Web: <http://www.sabic-ip.com/>

Distributor

Polymix

Telephone: +33-3-8920-1380

Web: <http://www.polymix.eu/>

Availability: France

RESINEX Group

RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.

Telephone: +32-14-672511

Web: <http://www.resinex.com/>

Availability: Europe

Ultrapolymers

Ultrapolymers is a Pan European distribution company. Contact Ultrapolymers for availability of individual products by country.

Telephone: +32-11-57-95-57

Web: <http://www.ultrapolymers.com/>

Availability: Europe



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– Kevin Chase, Owner & President, Chase Plastics



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