



Document	ISO Datasheet
Description	PP LGF 50
Grade	ISOGLASS LFT 1001H
Code	
Application	UNDER THE HOOD – FAN SHROUD

50% chemically coupled long glass fiber reinforced polypropylene compound with very high mechanical properties and heat stabilized.

Properties	Method	Unit	Value
Physical			
Density at 23°C	ISO 1183	g/cm ³	1,32
Mould Shrinkage (%)	INTERNAL	%	0,1 – 0,3
Filler content (1h/600°C)	ISO 3451-1	%	50
Thermal			
Vicat B50	ISO 306	°C	152
HDT, A (1.80 MPa)	ISO 75/Ae	°C	> 155
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	10500
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	142
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m ²	29
Flammability Class			
Flammability class (1,6 mm)	UL94		HB
Regulations compliance			
RoHS compliance status	COMPLIANT		
EN71			
UL listed file n°			
Water contact approvals			
Food contact status			

[§] Moulding shrinkage is not an intrinsic property of plastics. It also depends on moulding parameters. The values reported have been calculated in the direction parallel to the flow in a 3.0 x 12.7 x 127 mm sample.

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Sirmax s.p.a.

E.A.R. N° 91334
P.IVA 00168180248
sirmax@sirmax.com

Group Headquarter:

Viale dell'Artigianato, 42
35013 Cittadella (PD) – Italy
Tel. +39 049 9441111 – Fax +39 049 9441112