



Document	ISO Datasheet
Description	PBT GF30 FR
Grade	A 15 10 GF30 V0
Code	
Application	LAMP SUPPORT STRUCTURE

30% glass fiber reinforced PBT, flame retardant with halogens.

Properties	Method	Unit	Value
Physical			
Density at 23°C	ISO 1183	g/cm ³	1,65
Mould Shrinkage (%)	INTERNAL	%	0,4 - 0,6
Thermal			
Vicat B50	ISO 306	°C	210
HDT, A (1.80 MPa)	ISO 75/Ae	°C	208
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	9500
Tensile stress at yield (23°C-5 mm/min)	ISO 527-2	MPa	140
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m ²	8
Flammability			
Flammability class (1,5 mm)	UL94		V0
Processing Conditions			
Melt Temperature Range	ISO 294	°C	240 – 260
Mold Temperature Range	ISO 294	°C	80 – 100
Injection Velocity	ISO 294		MEDIUM
Drying Temperature		°C	110 - 120
Drying Time		h	3
Regulations compliance			
RoHS compliance status:	COMPLIANT		
EN71:			
UL listed file n°:	E220931		
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 4.0 x 10.0 x 170 mm sample.

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