

Document	ISO Datasheet
Description	ABS
Grade	A 10 100 GF17
Code	
Application	Car loudspeakers

ABS 17% glass fiber reinforced.

Properties	Method	Unit	Value
Physical			
Melt Flow Rate (220°C - 10,00 Kg)	ISO 1133	g/10'	10
Density at 23°C	ISO 1183	g/cm3	1,18
Mould Shrinkage (%)	INTERNAL	%	0,3
Filler content (1h/600°C)	ISO 3451-1	%	17
Thermal			
Vicat B50	ISO 306	°C	103
HDT, A (1.80 MPa)	ISO 75/Af	°C	95
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	4700
Flexural strength (23°C - 2 mm/min)	ISO 178	MPa	65
Tensile stress at yield (23°C-5 mm/min)	ISO 527-2	MPa	65
Tensile elong. at break (23°C-5 mm/min)	ISO 527-2	%	5
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m ²	6
Charpy notched impact strength (23°C) ISO	ISO 179/1eA	KJ/m ²	6
Charpy unnotched impact strength (23°C) ISO	ISO 179/1eA	KJ/m ²	15
Flammability Class			
Flammability class (1,5 mm)	UL94		HB
Electrical			
Surface resistivity	IEC 60093	Ohm	10E14
Volume resistivity	IEC 60093	Ohm*m	10E15
Processing Conditions			
Melt Temperature Range	ISO 294	°C	210-240
Mold Temperature Range	ISO 294	°C	60-80
Injection Velocity	ISO 294		HIGH
Drying Temperature		°C	70-80

Drying Time	Hour	0,5-2
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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