



Document	ISO Datasheet
Description	PC/ABS ALLOY FR
Grade	A20 500 V0
Code	
Application	GAS SENSOR FRAME

PC/ABS alloy, Flame retardant, Halogen free.

Properties	Method	Unit	Value
Physical			
Melt flow rate (260°C – 5 Kg)	ISO 1133	g/10'	35
Density at 23°C	ISO 1183	g/cm ³	1,17
Mould Shrinkage (%)	INTERNAL	%	0,6
Thermal			
Vicat B50	ISO 306	°C	110
HDT, A (1.80 MPa)	ISO 75/Ae	°C	92
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	2600
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	60
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m ²	50
Flammability			
Flammability class (1,5 mm)	UL94		V0
Processing Conditions			
Melt Temperature Range	ISO 294	°C	250 – 270
Mold Temperature Range	ISO 294	°C	70 – 90
Injection Velocity	ISO 294		High
Drying Temperature		°C	80
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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