



Document	ISO Datasheet
Description	PC/ABS Alloy
Grade	A45 PG
Code	
Application	UNDER THE HOOD - FRONTAL GRILL

PC/ABS alloy. Suitable for electroplating application.

Properties	Method	Unit	Value
Physical			
Melt flow rate (260°C – 5 Kg)	ISO 1133	g/10'	15
Density at 23°C	ISO 1183	g/cm ³	1,08
Mould Shrinkage (%)	INTERNAL	%	0,7
Thermal			
Vicat B50	ISO 306	°C	110
HDT, A (1.80 MPa)	ISO 75/Ae	°C	88
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	1950
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	43
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m ²	45
Flammability			
Flammability class (3,0 mm)	UL94		HB
Processing Conditions			
Melt Temperature Range	ISO 294	°C	250 – 270
Mold Temperature Range	ISO 294	°C	90
Injection Velocity	ISO 294		High
Drying Temperature		°C	90 – 100
Drying Time		h	3
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 4.0 x 10.0 x 170 mm sample.

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