



Document	ISO Datasheet
Description	PC/ABS Alloy
Grade	A45 UV
Code	
Application	EXTERIOR - REAR LIGHTS

Unfilled PC/ABS alloy. UV stabilized.

Properties	Method	Unit	Value
<b>Physical</b>			
Melt flow rate (240°C – 5 Kg)	ISO 1133	g/10'	12
Density at 23°C	ISO 1183	g/cm <sup>3</sup>	1,10 – 1,12
Mould Shrinkage (%)	INTERNAL	%	0,4 – 0,7
<b>Thermal</b>			
Vicat B50	ISO 306	°C	110
HDT, A (1.80 MPa)	ISO 75/Ae	°C	98
<b>Mechanical at 23 °C</b>			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	2300
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	48
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m <sup>2</sup>	35
<b>Flammability</b>			
Flammability class (1,6/3,2 mm)	UL94		HB
<b>Processing Conditions</b>			
Melt Temperature Range	ISO 294	°C	240
Mold Temperature Range	ISO 294	°C	70
Injection Velocity	ISO 294		High
Drying Temperature		°C	90 – 100
Drying Time		h	3
<b>Regulations compliance</b>			
RoHS compliance status:	COMPLIANT		
EN71:			
UL listed file n°:			
Water contact approvals.			

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Food contact status:

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§ 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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