



Document	ISO Datasheet
Description	Polystyrene
Grade	A 10 100 V2
Code	
Application	Injection moulding

Flame retardant grade with halogens.

Properties	Method	Unit	Value
<b>Physical</b>			
Melt Flow Rate (200°C - 5,00 Kg)	ISO 1133	g/10'	20
Density at 23°C	ISO 1183	g/cm3	1,13
<b>Thermal</b>			
Vicat B50	ISO 306	°C	80
<b>Mechanical at 23 °C</b>			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	1900
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	32
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m <sup>2</sup>	7
<b>Flammability</b>			
Glow Wire Flammability Index GWFI (2,0 mm)	IEC 60695-2-12	°C	750
Glow Wire Flammability Index GWFI (3,0 mm)	IEC 60695-2-12	°C	750
<b>Flammability Class</b>			
Flammability class (1,5 mm)	UL94		V2
<b>Processing Conditions</b>			
Melt Temperature Range	ISO 294	°C	200-240
Mold Temperature Range	ISO 294	°C	10-50
Injection Velocity	ISO 294		MEDIUM
<b>Regulations compliance</b>			
RoHS compliance status	COMPLIANT		
EN71			
UL listed file n°			
Water contact approvals			
Food contact status			

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<sup>§</sup> 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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