

Document	ISO Datasheet
Description	ABS
Grade	A 15 250 AS
Code	
Application	Windows vac, tractor aesthetic frame, aestetical pieces with improved chemical resistance.

ABS medium flow, improved chemical resistance.

Properties	Method	Unit	Value
<b>Physical</b>			
Melt Flow Rate (220°C - 10,00 Kg)	ISO 1133	g/10'	20
Density at 23°C	ISO 1183	g/cm <sup>3</sup>	1,04
<b>Thermal</b>			
Vicat B50	ISO 306	°C	94
HDT, A (1.80 MPa)	ISO 75/Af	°C	85
<b>Mechanical at 23 °C</b>			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	2300
Flexural strength (23°C - 2 mm/min)	ISO 178	MPa	65
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	40
Tensile elong. at break (23°C-50 mm/min)	ISO 527-2	%	20
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m <sup>2</sup>	24
Charpy notched impact strength (23°C) ISO	ISO 179/1eA	KJ/m <sup>2</sup>	24
Charpy unnotched impact strength (23°C) ISO	ISO 179/1eU	KJ/m <sup>2</sup>	150
<b>Flammability Class</b>			
Flammability class (1,5 mm)	UL94		HB
<b>Electrical</b>			
Surface resistivity	IEC 60093	Ohm	10E13
Volume resistivity	IEC 60093	Ohm*m	10E15
<b>Processing Conditions</b>			
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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