



Document	ISO Datasheet
Description	ABS
Grade	A 35 300
Code	
Application	Injection moulding

Unfilled ABS. High flow.

Properties	Method	Unit	Value
Physical			
Melt Flow Rate (220°C - 10,00 Kg)	ISO 1133	g/10'	35
Density at 23°C	ISO 1183	g/cm ³	1,04
Thermal			
Vicat B50	ISO 306	°C	90
HDT, A (1.80 MPa)	ISO 75/Af	°C	70
HDT, B (0.45 MPa)	ISO 75/Af	°C	90
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	2300
Flexural strenght (23°C - 2 mm/min)	ISO 178	MPa	67
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 ²	16
Flammability Class			
Flammability class (1,5 mm)	UL94		HB
Electrical			
Surface resistivity	IEC 60093	Ohm	10E15
Volume resistivity	IEC 60093	Ohm*m	10E15
Processing Conditions			
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
Melt Temperature Range	ISO 294	°C	210-240

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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Sirmax s.p.a.

E.A.R. N° 91334
P.IVA 00168180248
sirmax@sirmax.com

Group Headquarter:

Viale dell'Artigianato, 42
35013 Cittadella (PD) – Italy
Tel. +39 049 9441111 – Fax +39 049 9441112