Isoform®

Document	ISO Datasheet
Description	POM
Grade	AK 09
Code	
Application	Injection moulding

Acetalic resin, copolymer. Medium viscosity.

Properties	Method	Unit	Value
Physical			
Melt Flow Rate (190°C - 2,16 Kg)	ISO 1133	g/10'	9
Density at 23°C	ISO 1183	g/cm3	1,41
Mould Shrinkage (%)	INTERNAL	%	1,6-2,0
Thermal			
Vicat B50	ISO 306	°C	150
HDT, A (1.80 MPa)	ISO 75/Af	°C	95
Mechanical at 23 ºC			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	2600
Flexural strenght (23°C - 2 mm/min)	ISO 178	MPa	85
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	62
Tensile elong. at yield (23°C-50 mm/min)	ISO 527-2	%	9
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m²	7
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m²	7
Flammability Class			
Flammability class (3,2 mm)	UL94		HB
Processing Conditions			
Melt Temperature Range	ISO 294	°C	180-200
Mold Temperature Range	ISO 294	°C	70-90
Injection Velocity	ISO 294		HIGH
Drying Temperature		°C	80-100
Drying Time		Hour	3
Regulations compliance			
RoHS compliance status	COMPLIANT		
EN71			

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SIRMAX GROUP

UL listed file nº

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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