



Document	ISO Datasheet
Description	PP
Grade	DAFNEOHM EC CB 4
Code	
Application	EXTRUSION

Polypropylene copolymer electrically conductive/dissipative.

Properties	Method	Unit	Value
Physical			
Melt flow rate (230°C - 2,16 Kg)	ISO 1133	g/10'	<1
Density at 23°C	ISO 1183	g/cm ³	1,02
Mould Shrinkage (%)	INTERNAL	%	1,6-2,0
Thermal			
Vicat A50	ISO 306	°C	150
Vicat B50	ISO 306	°C	75
HDT, A (1.80 MPa)	ISO 75/Af	°C	50
HDT, B (0.45 MPa)	ISO 75/Af	°C	80
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	1000
Flexural strenght (23°C - 2 mm/min)	ISO 178	MPa	25
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	25
Tensile elong. at break (23°C-50 mm/min)	ISO 527-2	%	>100
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m ²	55
Izod notched impact strength (-30°C) ISO	ISO 180/1A	KJ/m ²	15
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m ²	55
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m ²	NB
Charpy unnotched impact strength (-30°C)	ISO 179/1eU	KJ/m ²	140
Flammability			
Flammability class (1,6 mm)	UL94		HB
Electrical			
Surface resistivity	IEC 60093	Ohm	3E4
Volume resistivity	IEC 60093	Ohm*m	2E3

Processing Conditions			
Melt Temperature Range	ISO 294	°C	220-250
Mold Temperature Range	ISO 294	°C	50-70
Injection Velocity	ISO 294		MEDIUM
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 4.0 x 10.0 x 170 mm sample.

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