



Document	ISO Datasheet
Description	PC/ABS
Grade	DAFNEBLEND PM700/XF
Code	

**Application** Electric covers and boxes, seats, dashboard, door and trunk components.

Blend PC/ABS flame retardant UL94 V0 1,5mm, halogen free.

Properties	Method	Unit	Value
<b>Physical</b>			
Melt Flow Rate (260°C - 5,00 Kg)	ISO 1133	g/10'	29
Melt flow rate (240°C - 5,00 Kg)	ISO 1133	g/10'	15
Density at 23°C	ISO 1183	g/cm3	1,18
Mould Shrinkage (%)	INTERNAL	%	0,4-0,7
Water absorption	ISO 62	%	0,20
<b>Thermal</b>			
Vicat A50	ISO 306	°C	118
Vicat B50	ISO 306	°C	108
Ball Pressure Test	IEC 60695-10-2	°C	95
HDT, A (1.80 MPa)	ISO 75/Af	°C	90
<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	95
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	65
Tensile elong. at break (23°C-50 mm/min)	ISO 527-2	%	>50
Rockwell hardness (M scale)	ISO 2039-2		55
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m <sup>2</sup>	50
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m <sup>2</sup>	50
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m <sup>2</sup>	NB
<b>Flammability</b>			
Glow Wire Flammability Index GWFI (1,0 mm)	IEC 60695-2-12	°C	960
Glow Wire Flammability Index GWFI (3,0 mm)	IEC 60695-2-12	°C	960

Glow Wire Ignition Temperature GWIT (1,0 mm)	IEC 60695-2-13	°C	775
Glow Wire Ignition Temperature GWIT (3,0 mm)	IEC 60695-2-13	°C	775
Flammability class (1,5 mm)	UL94		V0
Flammability class (3,0 mm)	UL94		V0
<b>Electrical</b>			
Comparative tracking index CTI	IEC 60112	V	300
<b>Processing Conditions</b>			
Melt Temperature Range	ISO 294	°C	260
Mold Temperature Range	ISO 294	°C	80
Injection Velocity	ISO 294		HIGH
Drying Temperature		°C	80
Drying Time		Hour	3
<b>Regulations compliance</b>			
RoHS compliance status:	COMPLIANT		
EN71:			
UL listed file n°:	QMFZ2.E220931		
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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