



Document	ISO Datasheet
Description	PBT/PC
Grade	DAFNEBLEND PL300/EC
Code	
Application	Injection moulding

Unfilled PBT/PC blend. Good chemical resistance. Impact resistance.

Properties	Method	Unit	Value
<b>Physical</b>			
Melt Flow Rate (260°C - 5,00 Kg)	ISO 1133	g/10'	20
Density at 23°C	ISO 1183	g/cm <sup>3</sup>	1,18
Mould Shrinkage (%)	INTERNAL	%	1,1-1,4
<b>Thermal</b>			
Vicat B50	ISO 306	°C	115
HDT, A (1.80 MPa)	ISO 75/Af	°C	55
HDT, B (0.45 MPa)	ISO 75/Af	°C	90
<b>Mechanical at 23 °C</b>			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	1600
Flexural strenght (23°C - 2 mm/min)	ISO 178	MPa	60
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>	60
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m <sup>2</sup>	65
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m <sup>2</sup>	NB
<b>Flammability</b>			
Flammability class (1,6 mm)	UL94		HB
<b>Processing Conditions</b>			
Melt Temperature Range	ISO 294	°C	240-280
Mold Temperature Range	ISO 294	°C	60-80
Injection Velocity	ISO 294		MEDIUM
Drying Temperature		°C	90-100
Drying Time		Hour	3

## 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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