Dafneblend®

Document	ISO Datasheet
Description	ABS/PA
Grade	DAFNEBLEND PK 201
Code	
Application	Injection moulding

Blend PA/ABS, good mechanical properties.

Properties	Method	Unit	Value
Physical			
Melt flow rate (240°C - 10,00 Kg)	ISO 1133	g/10'	30
Density at 23°C	ISO 1183	g/cm3	1,07
Mould Shrinkage (%)	INTERNAL	%	0,7-0,9
Thermal			
Vicat A50	ISO 306	°C	160
Vicat B50	ISO 306	°C	105
Ball Pressure Test	IEC 60695-10-2	°C	95
HDT, A (1.80 MPa)	ISO 75/Af	°C	70
HDT, B (0.45 MPa)	ISO 75/Af	°C	95
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	1800
Flexural strenght (23°C - 2 mm/min)	ISO 178	MPa	60
Tensile Modulus (23°C - 1 mm/min)	ISO 527-2	MPa	2000
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	%	>50
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m²	60
Izod notched impact strength (-30°C) ISO	ISO 180/1A	KJ/m²	13
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m²	65
Charpy notched impact strength (-30°C)	ISO 179/1eA	KJ/m²	14
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m²	NB
Charpy unnotched impact strength (-30°C)	ISO 179/1eU	KJ/m²	NB
Rockwell hardness (R scale)	ISO 2039-2		85
Flammability			

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Glow Wire Flammability Index GWFI (1,0 mm)	IEC 60695-2-12	°C	650
Glow Wire Flammability Index GWFI (2,0 mm)	IEC 60695-2-12	°C	650
GlowWire Ignition Temperature GWIT (1,0 mm)	IEC 60695-2-13	°C	700
GlowWire Ignition Temperature GWIT (2,0 mm)	IEC 60695-2-13	°C	700
Flammability class (1,6 mm)	UL94		HB
Electrical			
Comparative tracking index CTI	IEC 60112	V	550
Processing Conditions			
Melt Temperature Range	ISO 294	°C	240-280
Mold Temperature Range	ISO 294	°C	40-80
Injection Velocity	ISO 294		MEDIUM
Drying Temperature		°C	90
Drying Time		Hour	3
Regulations compliance			
RoHS compliance status:	COMPLIANT		
EN71:			
UL listed file nº:	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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