

RESIN

SOLARKOTE® PB

	CONDITIONS	TEST METHOD	UNITS	
1 - GENERAL PROPERTIES				
Density		ISO 1133	g/cm ³	1,15
Water Absorption	23°C/50%HR	ISO 62	%	0,4
Mold Shrinkage		ASTM D-955	%	0.3-0.8
2 - RHEOLOGICAL PROPERTIES				
Rheology				
Melt Flow Index	230°C/3,8 kg	ISO 1133	g/10 min	2
3 - MECHANICAL PROPERTIES				
Rockwell Hardness		ASTM D-785		M-38
Tensile Strength at maximum	23°C	ISO 527-2	MPa	38
Tensile Modulus	23°C	ASTM D-638	MPa	1830
Elongation at Break	23°C	ISO 527-2	%	50
Flexural Modulus	23°C	ISO 178	MPa	1740
Flexural Strength maximum	23°C	ISO 178	MPa	56
Impact Resistance (Izod, Notched)	23°C	ASTM D-256	kJ/m ²	5,8
4 - OPTICAL PROPERTIES				
Refractive Index B		ISO R-489		1,49
Light Transmittance		ASTM D-1003	%	90
Haze		ASTM D-1003	%	2
5 - THERMAL PROPERTIES				
Vicat Softening Temperature	10 N	ISO 306	°C	93
Vicat Softening Temperature	50 N	ISO 306	°C	83
HDT	1,82 MPa	ISO 75-2	°C	78
	0,45 MPa	ISO 75-2	°C	89
Thermal Conductivity		ASTM C-117	W/m.°C	0,2

N.B.: The values quoted are the average of results obtained under laboratory conditions and are given only as an indication to enable customers to make best use of our products. Values reported are typical and should not be used for specification purposes.

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