

RESIN

ALTUGLAS® GRANITE

		CONDITIONS	TEST METHOD	UNITS	
1 - GENERAL PROPERTIES					
Density			ISO 1183	g/cm ³	1,18
Water Absorption		23°C/50%HR	ISO 62	%	0,3
Mold Shrinkage			ASTM D-955	%	0,3-0,6
2 - RHEOLOGICAL PROPERTIES					
Rheology					
Melt Flow Index		230°C/3,8 kg	ISO 1133	g/10 min	0,8
Process					
Melt Temperature	mini			°C	220
	maxi				240
Drying Conditions	time			h	2-4
	temperature			°C	80-85
3 - MECHANICAL PROPERTIES					
Rockwell Hardness			ASTM D-785		M-45
Tensile Strength		23°C	ISO 527-2	MPa	40
Elongation at Break		23°C	ISO 527-2	%	12
Flexural Modulus		23°C	ISO 178	MPa	1930
Flexural Strength		23°C	ISO 178	MPa	61
Impact Resistance (Izod, Notched)		23°C	ISO 180/1A	kJ/m ²	39
5 - THERMAL PROPERTIES					
Vicat Softening Temperature		50 N	ISO 306	°C	91,5
HDT UFL		1,82 MPa	ISO 75-2	°C	80
6 - FLAMMABILITY					
Fire Resistance			ASTM UL/94	Class	

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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