

## RESIN

# ALTUGLAS® DRT Frosted 18

		CONDITIONS	TEST METHOD	UNITS	
<b>1 - GENERAL PROPERTIES</b>					
Density			ISO 1183	g/cm <sup>3</sup>	1,16
Water Absorption		23°C/50%HR	ISO 62	%	0,36
Mold Shrinkage			ASTM D-955	%	0,2-0,6
<b>2 - RHEOLOGICAL PROPERTIES</b>					
<b>Rheology</b>					
Melt Flow Index		230°C/3,8 kg	ISO 1133	g/10 min	0,7
<b>Process</b>					
Melt Temperature	mini			°C	235
	maxi				245
Mold Temperature	mini			°C	80
	maxi				90
Drying Conditions	time			h	4
	temperature			°C	85
<b>3 - MECHANICAL PROPERTIES</b>					
Tensile Strength		23°C	ISO 527-2	MPa	38
Elongation at break		23°C	ISO 527-2	%	35
Flexural Modulus		23°C	ISO 178	MPa	1700
Flexural Strength		23°C	ISO 178	MPa	65
Impact Resistance (Charpy, Notched)		23°C	ISO 179-1eA	kJ/m <sup>2</sup>	6,5
Impact Resistance (Charpy, Unnotched)		23°C	ISO 179-1eA	kJ/m <sup>2</sup>	55
Impact Resistance (Izod, Notched)		23°C	ISO 180/1A	kJ/m <sup>2</sup>	5,5
<b>4 - OPTICAL PROPERTIES</b>					
Refractive Index B			ISO R-489		-
Light Transmittance			ASTM D-1003	%	88
Haze			ASTM D-1003	%	100
<b>5 - THERMAL PROPERTIES</b>					
Vicat Softening Temperature		50 N	ISO 306	°C	101
HDT UFL		1,82 MPa	ISO 75-2	°C	88
<b>6 - FLAMMABILITY</b>					
Fire Resistance			ASTM UL/94	Class	HB

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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