

ALTUGLAS V020 and V045

	TEST METHOD	UNIT	ALTUGLAS V020	ALTUGLAS V045
1 - PHYSICAL PROPERTIES				
Melt Flow Rate (230°C / 3.8 kg)	ASTM D1238	g / 10 min	1.6	2.3
Specific Gravity	ASTM D792		1.19	1.19
Mold shrinkage	ASTM D955	%	0.2-0.6	0.2-0.6
Water Absorption	ASTM D570	% weight gain	0.3	0.3
2 - MECHANICAL PROPERTIES				
Tensile Strength @ maximum	ASTM D638	MPa	69	70
Flexural Strength, maximum	ASTM D790	MPa	103	103
Flexural Modulus	ASTM D790	MPa	3,200	3,200
Notched Izod (23°C)	ASTM D256	KJ/m2	1.2	1.2
Rockwell Hardness	ASTM D785	Mscale	91.0	91.0
3 - THERMAL PROPERTIES				
HDT (1820 kPa ; annealed)	ASTM D648	C	93	93
Vicat Softening Point (Rate A ; 1 kg)	ASTM D1525	C	103	103
Vicat Softening Point (Rate A ; 5 kg)	ASTM D1525	C	97	97
4 - OPTICAL PROPERTIES				
Refractive Index (N _D @ 23° C)	ASTM D542		1.49	1.49
Luminous Transmittance (3.2 mm.)	ASTM D1003	%	92	92
Haze (3.2 mm.)	ASTM D1003	Max, %	<2	<2

N.B. : The values quoted are the average of results obtained under laboratory 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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