

## ALTUGLAS V045 FROSTED and DR FROSTED

	TEST METHOD	UNIT	ALTUGLAS V045 FROSTED	ALTUGLAS DR FROSTED
<b>1 - PHYSICAL PROPERTIES</b>				
Melt Flow Rate (230°C / 3.8 kg)	ASTM D1238	g / 10 min	2.5	0.8
Specific Gravity	ASTM D792		1.18	
Mold shrinkage	ASTM D955	%	0.2-0.8	
Water Absorption	ASTM D570	% weight gain	0.3	
<b>2 - MECHANICAL PROPERTIES</b>				
Tensile Strength @ maximum	ASTM D638	MPa	71	52
Flexural Strength, maximum	ASTM D790	MPa	103	
Flexural Modulus	ASTM D790	MPa	3,000	2,300
Notched Izod (23°C)	ASTM D256	KJ/m <sup>2</sup>	1.8	3.7
Rockwell Hardness	ASTM D785	Mscale	94.0	
<b>3 - THERMAL PROPERTIES</b>				
HDT (1820 kPa ; annealed)	ASTM D648	C		
Vicat Softening Point (Rate A ; 1 kg)	ASTM D1525	C	98	96
Vicat Softening Point (Rate A ; 5 kg)	ASTM D1525	C		
<b>4 - OPTICAL PROPERTIES</b>				
Refractive Index (N <sub>D</sub> @ 23° C)	ASTM D542			
Luminous Transmittance (3.2 mm.)	ASTM D1003	%	86	84
Haze (3.2 mm.)	ASTM D1003	Max, %	98.0	98.0

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.

**Altuglas International c/o Arkema**  
 11F, Oriental Chemical Building  
 50, Sogong-dong, Jung-gu,  
 Seoul, 100-718, Korea  
 Tel : +82 2-3703-6700  
 Fax : +82 2-3703-6893  
[www.altuglasint.com](http://www.altuglasint.com)

Altuglas® is a registered trademark and Altuglas International is a trademark belonging to Arkema.