

Technical Specifications

	CONDITIONS	TEST METHOD	UNIT	VALUE
1 - GENERAL CHARACTERISTICS				
Density	23°C	ISO 1183	g/cm ³	1,19
Water absorption (24H)	23°C / 50% HR	ISO 62	%	0,3
Mould shrinkage		ASTM D-955	%	0,2-0,6
2 - RHEOLOGICAL PROPERTIES				
Melt Flow Index	230°C / 3,8kg	ISO 1133	g/10mn	3,3
Process – Melt temperature	Mini – Maxi	-	°C	220-240
Process – Mold conditions	Mini – Maxi	-	°C	70-80
Drying conditions	4h	-		75-80
3 - MECHANICAL PROPERTIES				
Tensile Strength at Yield	23°C	ISO 527-2	MPa	65
Elongation at Yield	23°C	ISO 527-2	%	5
Tensile Strength at break	23°C	ISO 527-2	MPa	65
Elongation at Break	23°C	ISO 527-2	%	5
Flexural Modulus	23°C	ISO 178	MPa	3300
Conventional Flexural Stress	23°C	ISO 178	MPa	103
Impact Resistance (Charpy, Unnotched)	23°C	ISO 179-1eU	KJ/m ²	18
Impact Resistance (Charpy, Notched)	23°C	ISO 179-1eA	KJ/m ²	1,8
Impact resistance (Izod, Notched)	23°C	ISO 180	KJ/m ²	1,8
Rockwell Hardness	23°C	ASTM D-785	HRM	M-92
4 - OPTICAL PROPERTIES				
Light transmission	23°C / 2mm thick	ASTM D1003	%	92
Haze	23°C / 2mm thick	ASTM D1003	%	100
Relative Diffusing Power (1 inches)	23°C / 2mm thick	Internal	%	33
Relative Diffusing Power (2 inches)	23°C / 2mm thick	Internal	%	66
Diffusion factor [T(20°) + T(70°) / 2 T(5°)]	23°C / 2mm thick	Internal	-	0,16
Half angle value (angle for 50% max. LT)	23°C / 2mm thick	Internal	Degree	14
Hiding power (LT% at 2° / LT% at 0°)	23°C / 2mm thick	Internal	-	0,98
5 - THERMAL PROPERTIES				
Vicat Softening Temperature	B 50 N	ISO 306	°C	103
HDT (annealed 60°C/16h)	1,82 Mpa	ISO 75-2	°C	95
6 - FLAMMABILITY				
Glow wire resistance (thickness 2.05mm)		IEC 60695-2-12	°C	>700
Glow wire resistance (thickness 3.07mm)		IEC 60695-2-12	°C	>700
Fire Resistant		UL/94	CLASS	HB

The statements, technical information and recommendations obtained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, Altuglas International/Arkema expressly disclaims any and all liability. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OR MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN.

The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein should be construed as an inducement to infringe any patent, and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.