Plexiglas® **V825-68177**

PROPERTIES	VALUE	UNIT	TEST METHOD
Physical			
Melt Flow Rate (230°C /3.8kg)	2.1	g/10 min	ISO 1133 (230°C/3.8 kg)
Specific Gravity	1.19	-	ISO 1183
Mold Shrinkage	0.002 – 0.006	%	ASTM D955
Water Absorption (24hr. Immersion)	0.3	%	ISO 62
Mechanical			
Tensile Strength @ Maximum	65	Mpa	ISO 527 (5 mm/min.)
Tensile Elongation @ Break	4	%	ISO 527 (5 mm/min.)
Tensile Modulus	3100	Mpa	ISO 527 (5 mm/min.)
Flexural Strength, Maximum (Yield)	110	Mpa	ISO 178
Flexural Modulus	3300	Mpa	ISO 178
Notched Izod Impact (73°F/23°C)	1.8	kJ/m^2	ISO 180
Rockwell Hardness	90	"M" Scale	ISO 2039-2
Thermal			
HDT (0.455 MPa; Annealed) [1]	106	°C	ISO 75-1, 2
HDT (1.82 MPa; Annealed) [1]	104	°C	ISO 75-1, 2
Vicat Softening Point (50°C/hr; 10N)	112	°C	ISO 306
Vicat Softening Point (50°C/hr; 50N)	104	°C	ISO 306
Thermal Conductivity	0.167	W/M/°C	ISO 8302
Recommended Drying Temp. (Minimum 4 hrs.)	90	°C	-
Optical			
Refractive Index (ND @ 73°F)	NA	-	-
Luminous Transmittance (0.125"/ 3.2 mm)	86	%	ASTM D1003
Haze (0.125"/ 3.2 mm)	Diffusion 98	%	ASTM D1003

Data given are average values and should not be used for specification purposes

1. Annealing Cycle: 4hrs @ 90°C

Updated 1/2012

ALTUGLAS INTERNATIONAL
ARKEMA GROUP

Altuglas International
Arkema Inc.
100 PA Rt. 413
Bristol, Pennsylvania 19007
Phone: 215.826.2600
www.plexiglas.com

The statements, technical information and recommendations contained 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, Arkema expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF 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 constitutes a license to practice under any patent and it should not 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.

See MSDS for Health & Safety Considerations.
Altuglas®, Plexiglas®, DR®, VOD® and Solarkote® are registered trademarks of Arkema.
Plexiglas® and Solarkote® acrylic resins are combustible thermoplastics. Observe fire precautions appropriate for comparable forms of wood and paper. For building uses, check code approvals. Impact resistance is a factor of thickness. Avoid exposure to heat or aromatic solvents. Clean with soap and water. Avoid abrasives.
© 2012 Arkema Inc. All rights reserved.