



Plexiglas T (Acrylic)

PROPERTIES	VALUE	UNITS	TEST METHOD
Miscellaneous			
Specific Gravity	1.19		ASTM D792
Rockwell Hardness	78	M	ASTM D785
Mechanical			
Tensile Properties			ASTM D638
Strengh	10,200	PSI	"
Elongation @ Break	10,200	PSI	"
Modulus of elasticity	450,000	PSI	"
Flexural Properties (span depth ratio 16, 0.1in/min)			ASTM D790
Maximum	15,000	PSI	"
Modulus of elasticity	450,000	PSI	"
Notched Izod Impact(73°F/23°C)	0.4	ft-lb/in notch	ASTM D256
Dynatup (0.118" thickness)			"
1st Break			"
Total Energy	0.7	ft-lb	"
Thermal			
Deflection temperature under (flexural) load			ASTM D648
3.6 °F/min-264 psi (unannealed)	186	°F	"
Annealed 16 hours @ 176°F	210	°F	"
Optical			
Refractive Index (ND @ 73°F)	1.49		ASTM D542
Luminous Transmittance (0.125"/3.2 mm.)	92	%	ASTM D1003
Haze (0.125 in./3.2 mm.)	1	%	ASTM D1003

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

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 Inc. 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. 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.
© January 2009 Arkema Inc. All rights reserved.