Plexiglas®
where original ideas take shape

Resin

Plexiglas® CR30 acrylic resin

PROPERTIES	VALUE	UNITS	TEST METHOD
Physical			
Spiral Flow (240°C)	16	in of flow	2mm channel
Specific Gravity	1.15		ASTM D792
Mold Shrinkage	0.3-0.8	%	ASTM D955
Water Absorption (24 hr. immersion)	0.4	% weight gain	ASTM D570
Mechanical			
Tensile Strenght @ Maximum	5,100	PSI	ASTM D638
Tensile Elongation @ Break	47	%	"
Tensile Modulus	265,000	PSI	"
Flexural Strength, maximum (Yield)	7,400	PSI	ASTM D790
Flexural Modulus	230,000	PSI	ASTM D790
Notched Izod Impact (73°F/23°C)	2.0	ft-lb/in	ASTM D256
Rockwell Hardness	65	S	ASTM D785
Thermal			
HDT (0.455 MPa; annealed)[1]	176	°F	ASTM D648
Vicat Softening Point (50°C/hr; 10N)	194	°F	ASTM D1525
Optical			
Refractive Index (ND @ 73°F)	1.49	-	ASTM D542
Luminous Transmittance (0.125"/3.2 mm.)	90	%	ASTM D1003
Haze (0.125"/3.2 mm.)	<3.5	%	ASTM D1003

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

1. Annealing Cycle: 4hrs @ 76°C

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See MSDS for Health & Safety Considerations.
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ALTUGLAS INTERNATIONAL
ARKEMA GROUP

Polymer Technology Center
900 First Avenue
King of Prussia, PA 19046
www.altuglasint.com
www.plexiglas.com