

Generic Acrylic, Unspecified

Acrylic

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic Acrylic, Unspecified
This information is provided for comparative purposes only.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09 to 1.19	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.40 to 0.59	%	ASTM D955
Water Absorption			ASTM D570
23°C, 24 hr	0.30 to 0.31	%	
Saturation, 23°C	0.19 to 0.30	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (23°C)	78 to 95		ASTM D785
Barcol Hardness	40 to 50		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2190 to 3420	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield, 23°C	37.4 to 70.8	MPa	
23°C	65.6 to 68.9	MPa	
Tensile Elongation (Break, 23°C)	2.6 to 11	%	ASTM D638
Flexural Modulus (23°C)	1450 to 3330	MPa	ASTM D790
Flexural Strength (23°C)	70.2 to 117	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	21 to 34	J/m	ASTM D256
Instrumented Dart Impact (23°C)	3.80 to 40.7	J	ASTM D3763
Gardner Impact (23°C)	0.226 to 13.6	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	78.7 to 98.2	°C	ASTM D648
CLTE - Flow	6.7E-5 to 8.1E-5	cm/cm/°C	ASTM D696
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.490 to 1.491		ASTM D542
Transmittance	90.0 to 93.5	%	ASTM D1003
Haze	0.80 to 2.2	%	ASTM D1003
Yellowness Index	0.45 to 2.2	YI	ASTM D1925

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT