

# Altuglas® Diffuse™ 101

Polymethyl Methacrylate Acrylic

Altuglas International of Arkema Inc.

# PROSPECTOR®

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## Technical Data

### Product Description

Altuglas® Diffuse™ 101 is a Polymethyl Methacrylate Acrylic product. It is available in Asia Pacific or Europe. Primary characteristic: flame rated.

### General

Material Status	• Commercial: Active
Literature <sup>1</sup>	• <a href="#">Brochure - Altuglas® - Acrylic Beads (English)</a> • <a href="#">Brochure - Altuglas® - lighting solutions for your innovations (English)</a> • <a href="#">Brochure - Altuglas® Diffuse (English)</a> • <a href="#">Processing - Injection Molding Resins (English)</a>
Search for UL Yellow Card	• <a href="#">Altuglas International of Arkema Inc.</a> • <a href="#">Altuglas®</a>
Availability	• Asia Pacific                      • Europe

Physical	Nominal Value Unit	Test Method
Density	1.19 g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	3.5 g/10 min	ISO 1133
Molding Shrinkage - Flow	0.20 to 0.60 %	ASTM D955
Water Absorption (24 hr, 23°C)	0.30 %	ISO 62
Mechanical	Nominal Value Unit	Test Method
Flexural Modulus	3300 MPa	ISO 178
Impact	Nominal Value Unit	Test Method
Charpy Unnotched Impact Strength	10 kJ/m <sup>2</sup>	ISO 179
Notched Izod Impact Strength	1.8 kJ/m <sup>2</sup>	ISO 180/1A
Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature 1.8 MPa, Unannealed	95.0 °C	ISO 75-2/A
Vicat Softening Temperature	103 °C	ISO 306/B50
Flammability	Nominal Value Unit	Test Method
Flame Rating	HB	UL 94
Glow Wire Flammability Index		IEC 60695-2-12
2.1 mm	> 700 °C	
3.1 mm	> 700 °C	
Optical	Nominal Value Unit	Test Method
Refractive Index	1.490	ISO 489
Transmittance	91.0 %	ASTM D1003

## Notes

<sup>1</sup> These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

<sup>2</sup> Typical properties: these are not to be construed as specifications.



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Where to Buy

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Supplier

**Altuglas International of Arkema Inc.**  
Bristol, PA USA  
**Telephone:** 215-826-2600  
**Web:** <http://www.altuglasint.com/en/>

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Distributor

**RESINEX Group**  
*RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.*  
**Telephone:** +32-14-672511  
**Web:** <http://www.resinex.com/>  
**Availability:** Europe

