

# Plexiglas® DRM2-101

Polymethyl Methacrylate Acrylic

Altuglas International of Arkema Inc.

## Message:

Plexiglas® DRM2-101 is an impact modified thermoplastic acrylic resin formulated for injection molding and extrusion applications. It has a matte appearance, is heat resistance and provides 10 times the impact resistance of standard acrylics. It offers an excellent balance between melt flow and increased resistance to breakage, while providing weatherability superior to that provided by other high-impact plastics.

General Information	
Additive	Impact Modifier
Features	BPA Free
	Good Dimensional Stability
	Good Thermal Stability
	Good Toughness
	Good UV Resistance
	Good Weather Resistance
	High Impact Resistance
	Impact Modified
	Low Shrinkage
	Scratch Resistant
Uses	Consumer Applications
Agency Ratings	FDA 21 CFR 177.1010
RoHS Compliance	RoHS Compliant
Appearance	Clear/Transparent
	Matte Finish
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	1.0	g/10 min	ASTM D1238
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	43	J/m	ASTM D256
Optical	Nominal Value	Unit	Test Method
Transmittance (3180 µm)	88.0	%	ASTM D1003
Haze (3180 µm)	2.5	%	ASTM D1003
Injection	Nominal Value	Unit	
Drying Temperature	82.2 to 87.8	°C	

Drying Time	4.0	hr
Suggested Max Moisture	0.10	%
Suggested Shot Size	50	%
Suggested Max Regrind	20	%
Rear Temperature	227	°C
Middle Temperature	232	°C
Front Temperature	238	°C
Nozzle Temperature	232	°C
Processing (Melt) Temp	< 271	°C
Mold Temperature	37.8 to 87.8	°C
Injection Rate	Moderate	
Back Pressure	0.689	MPa
Screw Speed	50 to 100	rpm
Screw L/D Ratio	15.0:1.0 to 20.0:1.0	
Screw Compression Ratio	2.0:1.0 to 2.5:1.0	
Vent Depth	0.051	mm

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

