

## Polykemi AB POLYabs X00 ABS, Extrusion Grade

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Extruded

### Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polykemi-AB-POLYabs-X00-ABS-Extrusion-Grade.php](http://www.lookpolymers.com/polymer_Polykemi-AB-POLYabs-X00-ABS-Extrusion-Grade.php)

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in <sup>3</sup>	ISO 1183
Melt Index of Compound	5.0 g/10 min @Load 5.00 kg, Temperature 230 °C	5.0 g/10 min @Load 11.0 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 47.0 MPa	<= 6820 psi	ISO/R527
Elongation at Yield	7.0 %	7.0 %	ISO/R527
Flexural Strength	<= 79.0 MPa	<= 11500 psi	ISO 178
Flexural Modulus	2.00 GPa @Temperature 23.0 °C	290 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	2.00 J/cm <sup>2</sup> @Temperature 23.0 °C	9.52 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	87.0 °C	189 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	120°C/h; ISO 75/1
Vicat Softening Point	100 °C @Load 5.001 kg	212 °F @Load 11.03 lb	50°C/h; ISO 306
	106 °C @Load 1.00 kg	223 °F @Load 2.21 lb	50°C/h; ISO 306
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Processing Properties	Metric	English	Comments
Melt Temperature	190 - 230 °C	374 - 446 °F	
Mold Temperature	60.0 - 80.0 °C	140 - 176 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	2 - 4 hour	2 - 4 hour	in circulation dryer
	2 - 4 hour	2 - 4 hour	in fresh-air dryer
	2 - 4 hour	2 - 4 hour	in desiccant air dryer
Injection Pressure	90.0 - 150 MPa	13100 - 21800 psi	
Back Pressure	1.00 - 1.50 MPa	145 - 218 psi	

Descriptive Properties	Value	Comments
Holding Pressure ()	20-40	% of injection pressure
Injection Speed ()	High	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China