

## Kleerdex Kydex® IM62 Acrylic/PVC injection Molding Compound (discontinued \*\*)

Category : Polymer , Thermoplastic , Acrylic (PMMA) , Vinyl (PVC) , PVC/Acrylic Alloy

### Material Notes:

High impact injection molding compound  
**Applications:** Appliances, office equipment, electrical products, tools, medical equipment, computer equipment  
**Features:** IM62 has a Notched Izod impact resistance of 960 MPa making it extremely resistant to cracking and abuse. Parts made with IM62 are very resistant to harsh chemicals, solvents and to cleaning agents. IM62 offers flammability resistance. It is UL recognized: UL Std 94 V-0 and 5VA. It has excellent indoor UV color stability. It has good outdoor weatherability. It can be used for difficult parts. Passes FAR 25.853a.  
**Processing:** Drying is not typically required, however, if drying is needed dry at 55° for 4 hours. Barrel temperatures are typically 157 and 196°C. Mold temperature should be between 32 and 60°C. Minimize the residence time in the barrel and keep melt temperatures between 196 and 207°C. To achieve a homogeneous melt, keep sufficient back pressure .7-2.8 N/mm<sup>2</sup>. Before shutdown purge thoroughly and neutralize the mold. Contact Kleerdex Company for more information or refer to the Kydex Injection Molding Guide.  
 Data provided by the Kleerdex Company. Kleerdex Company became KYDEX, LLC in 2009.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kleerdex-Kydex-IM62-AcrylicPVC-injection-Molding-Compound-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Kleerdex-Kydex-IM62-AcrylicPVC-injection-Molding-Compound-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage	0.0010 - 0.0020 cm/cm	0.0010 - 0.0020 in/in	
Melt Flow	34.2 g/10 min	34.2 g/10 min	Condition F; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	44.8 MPa	6500 psi	ASTM D638
Flexural Yield Strength	67.0 MPa	9720 psi	ASTM D790
Flexural Modulus	2.245 GPa	325.6 ksi	ASTM D790
Izod Impact, Notched	9.60 J/cm @Thickness 3.17 mm	18.0 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	annealed; ASTM D648
Flammability, UL94	5VA	5VA	V-0, UL Standard 94

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	157 - 196 °C	315 - 385 °F	

Melt Temperature Processing Properties	196 - 207 °C Metric	385 - 405 °F English	Comments
Mold Temperature	32.2 - 60.0 °C	90.0 - 140 °F	
Drying Temperature	54.4 °C	130 °F	
Dry Time	4 hour	4 hour	Usually not needed

## 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