

Kleerdex Kydex® P54 Acrylic/PVC Extrusion Compound (discontinued **)

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

Material Notes:

High impact profile extrusion compoundApplications: Extruded profiles requiring high impact, good chemical resistance, weatherability, and excellent flammability resistance.Features: P54 is extremely resistant to cracking and abuse. Extrusion made with P54 are very resistant to harsh chemicals and solvents and to clearing agents. Weatherability of P54 is quite dependent on the color and condition.Processing: This compound should be processed using rigid PVC extrusion equipment under standard PVC operating conditions. Barrel temperatures in an extruder should be set at 166-171°C and adapter and die temperatures should be 171-177°C. Screw RPMs of 23 to 33 are typical. Typically single screw extruders are used for pelletized material and conical twin screw extruders for powder. Unlike other thermoplastic resins, pre-drying is not required.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-P54-AcrylicPVC-Extrusion-Compound-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	47.0 MPa	6820 psi	ASTM D638
Modulus of Elasticity	2.183 GPa	316.6 ksi	ASTM D638
Flexural Yield Strength	64.0 MPa	9280 psi	ASTM D790
Flexural Modulus	2.41 GPa	350 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)	71.0 °C	160 °F	annealed; ASTM D648

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	160 - 171 °C	320 - 340 °F	
Adapter Temperature	171 - 177 °C	340 - 350 °F	
Die Temperature	171 - 177 °C	340 - 350 °F	
Melt Temperature	<= 204 °C	<= 399 °F	
Dry Time	0.0 hour	0.0 hour	Drying typically not required

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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