

Akro-Plastic Akromid® B3 GF 50 RM-M (3146) PA 6 Conditioned, 50% Glass Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 50% Glass Fiber Filled

Material Notes:

In all, the construction relevant features show that the significantly reduced moisture absorption of AKROMID B3 GF 30 RM leads to increasing rigidities and strengths as already expected. Nevertheless, the viscosity features are on the level of PA6. Especially after storage, e.g. at 150° AKROMID RM shows comparable ageing characteristics. For appliances with very constant features, low warpage, very good finish together with an improved chemical resistance and for production of parts according to the GIT/WIT process, the version B3 GF 30 RM 9 black (3099) or respectively B3 GF 50 9 RM black (3147) offers an ideal solution. However, if a very good impact strength is predominant, our type B3 GF 30 RM black (3016) or respectively B3 GF 50 RM black (3146) will be favored. High quality surface finish: B3 GF 30 9 RM black (3099)/B3 GF 50 9 RM black (3147) Very constant features with regard to climate Very low warpage Very good surface CaCl₂ resistant Cost-effective: B3 GF 30 RM black (3016)/B3 GF 50 RM black (3146) Closer to PA 6 GF 30/GF 50 Constant features with regard to climate Low warpage Tendentious higher impact strength Tendentious higher notched impact Applications: Electronic market: e.g. sensor housings, coil former (wo. UL), plug-in connectors, plug panels etc. Automobile market: e.g. sensor housing, electrical parts, wind screen wiper bows, door handles, mirror elements, sliding roof frames etc. General mechanical engineering: e.g. control elements in printer, copier, housings of valves, pumps etc. Information from Akro-Plastic

Order this product through the following link:

http://www.lookpolymers.com/polymer_Akro-Plastic-Akromid-B3-GF-50-RM-M-3146-PA-6-Conditioned-50-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.62 g/cc	0.0585 lb/in ³	ISO 1183
Filler Content	50 %	50 %	ISO 1172
Water Absorption	1.2 % @Temperature 70.0 °C	1.2 % @Temperature 158 °F	62% RH, Humidity
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 in/in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.0070 cm/cm	0.0070 in/in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	135 MPa	19600 psi	5 [mm/min]; ISO 527-2/5
Elongation at Break	3.0 %	3.0 %	5 [mm/min]; ISO 527-2/5
Tensile Modulus	12.0 GPa	1740 ksi	1 [mm/min]; ISO 527-2/1
Charpy Impact Unnotched	6.00 J/cm ² @Temperature -30.0 °C	28.6 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eU
	7.00 J/cm ²	33.3 ft-lb/in ²	ISO 179/1eU

Mechanical Properties	@Temperature 23.0 °C Metric	@Temperature 73.4 °F English	Comments
Charpy Impact, Notched	2.00 J/cm ²	9.52 ft-lb/in ²	ISO 179/1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	2.00 J/cm ²	9.52 ft-lb/in ²	ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	225 °C	437 °F	ISO 11357-1

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