

Akro-Plastic Akromid® A3 (2414) PA 6.6 Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

AKROMID® A (Polyamide 6.6) is an engineering compound, characterized by high mechanical strength, stiffness and thermal resistance. Furthermore, this polyamide offers high toughness at low temperatures as well as easy processing. AKROMID® A is an engineering plastic compound that allows a broad range of possible applications. On the basis of these standard types, we are able to develop individual compounds for special application needs. Information from Akro-Plastic

Order this product through the following link:

http://www.lookpolymers.com/polymer_Akro-Plastic-Akromid-A3-2414-PA-66-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ISO 1183
Water Absorption	2.9 - 3.1 % @Temperature 70.0 °C	2.9 - 3.1 % @Temperature 158 °F	62% r.h., Humidity; ISO 62
Water Absorption at Saturation	8.0 - 9.0 % @Time 82800 sec	8.0 - 9.0 % @Time 23.0 hour	ISO 62
Linear Mold Shrinkage, Flow	0.019 cm/cm	0.019 in/in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.023 cm/cm	0.023 in/in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 MPa	7250 psi	5 [mm/min], Test Speed 50 [mm/min]; ISO 527-1/2
Elongation at Break	>= 50 %	>= 50 %	50 [mm/min]; ISO 527-1/2
Elongation at Yield	20 %	20 %	50 [mm/min]; ISO 527-2
Tensile Modulus	1.10 GPa	160 ksi	1[mm/min]; ISO 527-1/2
Charpy Impact Unnotched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	1.30 J/cm ² @Temperature 23.0 °C	6.19 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	262 °C	504 °F	ISO 11357-1/3

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+10 ohm	1.00e+10 ohm	IEC 60093

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