

## Akro-Plastic Akromid® A3 GF 30 (2397) PA 6.6 Conditioned, 30% Glass Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

### 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-GF-30-2397-PA-66-Conditioned-30-Glass-Filled.php](http://www.lookpolymers.com/polymer_Akro-Plastic-Akromid-A3-GF-30-2397-PA-66-Conditioned-30-Glass-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in <sup>3</sup>	ISO 1183
Filler Content	30 %	30 %	ISO 1172
Water Absorption	1.9 - 2.1 % @Temperature 70.0 °C	1.9 - 2.1 % @Temperature 158 °F	62% r.h., Humidity; ISO 62
Water Absorption at Saturation	5.2 - 5.8 % @Time 82800 sec	5.2 - 5.8 % @Time 23.0 hour	ISO 62
Linear Mold Shrinkage, Flow	0.0020 cm/cm	0.0020 in/in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.013 cm/cm	0.013 in/in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	130 MPa	18900 psi	5 [mm/min]; ISO 527-1/2
Elongation at Break	5.5 %	5.5 %	5 [mm/min]; ISO 527-1/2
Tensile Modulus	7.10 GPa	1030 ksi	1[mm/min]; ISO 527-1/2
Flexural Strength	220 MPa	31900 psi	2 [mm/min]; ISO 178
Flexural Modulus	7.20 GPa	1040 ksi	2 [mm/min]; ISO 178
Charpy Impact Unnotched	9.50 J/cm <sup>2</sup> @Temperature 23.0 °C	45.2 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	1.60 J/cm <sup>2</sup> @Temperature 23.0 °C	7.61 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eA

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

Thermal Properties	Metric	English	Comments
Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+10 ohm-cm	1.00e+10 ohm-cm	IEC 60093
Surface Resistance	1.00e+10 ohm	1.00e+10 ohm	IEC 60093

## Contact Songhan Plastic Technology Co.,Ltd.

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