

## Polyram PlusTek PA352M6 Nylon 6.6, 30% Low Friction Mineral Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Mineral Filled

### Material Notes:

30% low friction mineral filled polyamide 6.6 lubricated with molybdenum for injection molding applications Information provided by Polyram Ram On Ind.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polyram-PlusTek-PA352M6-Nylon-66-30-Low-Friction-Mineral-Filled.php](http://www.lookpolymers.com/polymer_Polyram-PlusTek-PA352M6-Nylon-66-30-Low-Friction-Mineral-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in <sup>3</sup>	DIN 53479
Water Absorption	5.5 %	5.5 %	DIN 53495
Moisture Absorption at Equilibrium	1.8 %	1.8 %	50%RH; DIN 53714
Linear Mold Shrinkage	0.0090 - 0.013 cm/cm	0.0090 - 0.013 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM-D785
Tensile Strength, Yield	95.0 MPa	13800 psi	ASTM-D638
Elongation at Break	4.0 %	4.0 %	ASTM-D638
Flexural Strength	150 MPa	21800 psi	ASTM D790
Flexural Modulus	5.00 GPa	725 ksi	ASTM-D790
Izod Impact, Notched	0.450 J/cm @Temperature 23.0 °C	0.843 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Melting Point	256 °C	493 °F	
Maximum Service Temperature, Air	80.0 °C	176 °F	Continuous Use
	220 °C	428 °F	Short peaks operation
Deflection Temperature at 0.46 MPa (66 psi)	235 °C	455 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	145 °C	293 °F	DIN 53461
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	DIN 53482
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	DIN 53482
Dielectric Constant	3.7	3.7	VDE 0303/4
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	85.0 kV/mm	2160 kV/in	VDE 0303/4

## Contact Songhan Plastic Technology Co.,Ltd.

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