

## PolyOne Lubri-Tech™ AM-30CF/15T Polyphthalamide (PPA), Carbon Fiber Reinforced, PTFE Lubricated (discontinued)

Category : Polymer , Thermoplastic , Polyphthalamide (PPA)

### Material Notes:

Description/Features: Carbon Fiber Reinforced PTFE Lubricated PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Lubri-Tech-AM-30CF15T-Polyphthalamide-PPA-Carbon-Fiber-Reinforced-PTFE-Lubricated-nbspdiscontinued.php](http://www.lookpolymers.com/polymer_PolyOne-Lubri-Tech-AM-30CF15T-Polyphthalamide-PPA-Carbon-Fiber-Reinforced-PTFE-Lubricated-nbspdiscontinued.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.41 g/cc	1.41 g/cc	ASTM D792
Water Absorption	0.20 %	0.20 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0010 - 0.0015 cm/cm	0.0010 - 0.0015 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	190 MPa	27500 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	3.0 %	3.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	20.0 GPa	2900 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	276 MPa	40000 psi	ASTM D790
Flexural Modulus	20.0 GPa	2900 ksi	ASTM D790
Izod Impact, Notched	1.44 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	2.70 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	304 °C	580 °F	Annealed, 0.125 in bars; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	293 °C	560 °F	Annealed, 0.250 in bars; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	10 - 1000 ohm-cm	10 - 1000 ohm-cm	ASTM D257
Surface Resistivity per Square	10 - 1000 ohm	10 - 1000 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	316 - 343 °C	600 - 650 °F	Molding
Mold Temperature	>= 135 °C	>= 275 °F	
Drying Temperature	79.4 °C	175 °F	
Dry Time	6 hour	6 hour	

Descriptive Properties	Value	Comments
Product Form	Pellets	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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