

## Arkema Group Orgalloy® LE 60XV Polyamide 6 Alloy

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

### Material Notes:

Polyamide Alloy, Semi-Flexible grade, Nylon 6 based Tubes / Mandrels / Profiles / Cables Information provided by Arkema Group

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arkema-Group-Orgalloy-LE-60XV-Polyamide-6-Alloy.php](http://www.lookpolymers.com/polymer_Arkema-Group-Orgalloy-LE-60XV-Polyamide-6-Alloy.php)

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in <sup>3</sup>	ISO R1183
Water Absorption	0.70 %	0.70 %	23°C / 24 hrs; ISO 62
Moisture Absorption at Equilibrium	1.5 %	1.5 %	23°C / 50% RH; ISO 62
	5.5 %	5.5 %	in 23°C water; ISO 62
Melt Flow	3.5 g/10 min @Load 2.16 kg, Temperature 235 °C	3.5 g/10 min @Load 4.76 lb, Temperature 455 °F	after drying; ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ISO 868
Tensile Strength, Ultimate	52.0 MPa	7540 psi	ISO R527
Tensile Strength, Yield	33.0 MPa	4790 psi	ISO R527
Elongation at Break	>= 250 %	>= 250 %	ISO R527
Elongation at Yield	7.0 %	7.0 %	ISO R527
Modulus of Elasticity	0.800 GPa	116 ksi	ISO R527
Flexural Strength	17.5 MPa	2540 psi	After conditioning at 23°C and 50% RH; ISO 178
Flexural Modulus	0.690 GPa	100 ksi	After conditioning at 23°C and 50% RH; ISO 178
Charpy Impact, Notched	4.00 J/cm <sup>2</sup>	19.0 ft-lb/in <sup>2</sup>	After conditioning at 23°C/50%RH; ISO 179/Af
	1.20 J/cm <sup>2</sup> @Temperature -20.0 °C	5.71 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	After conditioning at 23°C/50%RH; ISO 179/Af

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO R1218

Thermal Properties	Metric	English	Comments
Electrical Properties	Metric	English	Comments
Comparative Tracking Index	>= 600 V	>= 600 V	NFC 26 220

## Contact Songhan Plastic Technology Co.,Ltd.

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