

Arkema Group Orgalloy® LT 4060 Polyamide Alloy

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Polyamide Alloy, Flexible grade Tubes / Mandrels / Profiles / Cables Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Orgalloy-LT-4060-Polyamide-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ISO R1183
Water Absorption	0.80 %	0.80 %	23°C / 24 hrs; ISO 62
Melt Flow	1.7 g/10 min @Load 5.00 kg, Temperature 235 °C	1.7 g/10 min @Load 11.0 lb, Temperature 455 °F	after drying; ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	50	50	ISO 868
Tensile Strength, Ultimate	30.0 MPa	4350 psi	ISO R527
Elongation at Break	380 %	380 %	ISO R527
Modulus of Elasticity	0.300 GPa	43.5 ksi	ISO R527
Flexural Modulus	0.200 GPa	29.0 ksi	After conditioning at 23°C and 50% RH; ISO 178
	0.500 GPa	72.5 ksi	Dry; ISO 178
Charpy Impact, Notched	NB @Temperature -20.0 °C	NB @Temperature -4.00 °F	ISO 179/Af
	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 179/Af

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO R1218
Deflection Temperature at 0.46 MPa (66 psi)	60.0 °C	140 °F	ISO R75
Flammability, UL94	HB	HB	

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