

Arkema Group Orgalloy® RS 6015 ES T6L Polyamide Alloy

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Polyamide Alloy, Blow Molding of Technical Parts Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Orgalloy-RS-6015-ES-T6L-Polyamide-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	ISO R1183
Water Absorption	0.80 %	0.80 %	23°C / 24 hrs; ISO 62
Moisture Absorption at Equilibrium	1.1 %	1.1 %	23°C / 50% RH; ISO 62
	2.8 %	2.8 %	in 23°C water; ISO 62
Melt Flow	0.50 g/10 min @Load 5.00 kg, Temperature 235 °C	0.50 g/10 min @Load 11.0 lb, Temperature 455 °F	after drying; ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	81	81	ISO 868
Tensile Strength, Ultimate	75.0 MPa	10900 psi	ISO R527
Tensile Strength, Yield	78.0 MPa	11300 psi	ISO R527
Elongation at Break	6.4 %	6.4 %	ISO R527
Elongation at Yield	3.2 %	3.2 %	ISO R527
Flexural Modulus	2.50 GPa	363 ksi	After conditioning at 23°C and 50% RH; ISO 178
Charpy Impact, Notched	0.480 J/cm ² @Temperature -20.0 °C	2.28 ft-lb/in ² @Temperature -4.00 °F	ISO 179/Ae
	1.36 J/cm ² @Temperature 23.0 °C	6.47 ft-lb/in ² @Temperature 73.4 °F	ISO 179/Ae

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO R1218
Deflection Temperature at 0.46 MPa (66 psi)	210 °C	410 °F	ISO R75
Deflection Temperature at 1.8 MPa	174 °C	345 °F	

(264 psi) Thermal Properties	Metric	English	ISO R75 Comments
Flammability, UL94	HB	HB	

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

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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