

## Arkema Group Orgalloy® RS 66K15LT Nylon 66 Alloy, Mineral/Impact Grade (Conditioned)

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Mineral Filled, Impact Grade

### Material Notes:

RS 66 series, rigid polyamide 66 alloy: easy to process, chemical resistance (no known solvents) and low moisture absorption leading to stability of mechanical, electrical and dimensional properties. Mineral filled and impact modified for profile extrusion. ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arkema-Group-Orgalloy-RS-66K15LT-Nylon-66-Alloy-MineralImpact-Grade-Conditioned.php](http://www.lookpolymers.com/polymer_Arkema-Group-Orgalloy-RS-66K15LT-Nylon-66-Alloy-MineralImpact-Grade-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in <sup>3</sup>	
Water Absorption	2.6 %	2.6 %	
Moisture Absorption at Equilibrium	1.1 %	1.1 %	Humidity Absorption
Melt Flow	25 g/10 min @Load 2.16 kg, Temperature 275 °C	25 g/10 min @Load 4.76 lb, Temperature 527 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	55.0 MPa	7980 psi	50 mm/min
Elongation at Break	21 %	21 %	Nominal Strain; 50 mm/min
Elongation at Yield	2.9 %	2.9 %	50 mm/min
Tensile Modulus	2.45 GPa	355 ksi	1 mm/min

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	113 µm/m-°C	62.8 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	89.0 µm/m-°C	49.4 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Melting Point	255 °C	491 °F	10°C/min
Deflection Temperature at 0.46 MPa (66 psi)	202 °C	396 °F	
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C	185 °F	

Vicat Softening Point Thermal Properties	140 °C Metric	284 °F English	50°C/hr: 50N Comments
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	HB	HB	
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 V	

## Contact Songhan Plastic Technology Co.,Ltd.

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