

Cresset Powers Cress-Alon™ A2700 2.7 r.v. Compounding Grade Nylon 6, Dry As Molded

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Neat resin, for compounding. Information provided by Cresset Powers Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cresset-Powers-Cress-Alon-A2700-27-rv-Compounding-Grade-Nylon-6-Dry-As-Molded.php

Physical Properties	Metric	English	Comments
Density	1.12 - 1.14 g/cc	0.0405 - 0.0412 lb/in³	ASTM D792
Apparent Bulk Density	>= 0.659 g/cc	>= 0.0238 lb/in³	
Viscosity Measurement	2.7	2.7	Relative Viscosity
Melt Flow	14 - 20 g/10 min @Load 2.16 kg, Temperature 230 °C	14 - 20 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	>= 65.0 MPa	>= 9430 psi	ASTM D638
Elongation at Yield	<= 6.0 %	<= 6.0 %	ASTM D638
Flexural Yield Strength	>= 85.0 MPa	>= 12300 psi	ASTM D790
Flexural Modulus	>= 2.50 GPa	>= 363 ksi	ASTM D790
Izod Impact, Notched	>= 0.240 J/cm	>= 0.450 ft-lb/in	ASTM D256, Notch

Thermal Properties	Metric	English	Comments
Melting Point	220 - 224 °C	428 - 435 °F	ASTM DSC
Deflection Temperature at 1.8 MPa (264 psi)	>= 55.0 °C	>= 131 °F	

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.080 %	<= 0.080 %	

Descriptive Properties	Value	Comments
Extractables, wt%	<0.4	

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