

Cresset Powers Cress-Alon™ A3000 3.0 r.v. Film or Extrusion Grade Nylon 6, 50% RH

Category : Polymer , Film , Thermoplastic , Nylon , Nylon 6

Material Notes:

Neat resin, for film or extrusion. Information provided by Cresset Powers Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cresset-Powers-Cress-Alon-A3000-30-rv-Film-or-Extrusion-Grade-Nylon-6-50-RH.php

Physical Properties	Metric	English	Comments
Density	1.12 - 1.14 g/cc	0.0405 - 0.0412 lb/in³	ASTM D792
Apparent Bulk Density	0.650 g/cc	0.0235 lb/in³	circa
Viscosity Measurement	2.95 - 3.05	2.95 - 3.05	Relative Viscosity
Melt Flow	17.3 g/10 min @Load 2.16 kg, Temperature 230 °C	17.3 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	7.6 %	7.6 %	ASTM D638
Flexural Yield Strength	78.0 MPa	11300 psi	ASTM D790
Flexural Modulus	1.70 GPa	247 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	224 °C	435 °F	ASTM DSC
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.10 %	<= 0.10 %	

Descriptive Properties	Value	Comments
Extractables, wt%	<0.5	

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