

## Cresset Powers Cress-Alon™ A3000 3.0 r.v. Film or Extrusion Grade Nylon 6, Dry As Molded

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-Dry-As-Molded.php](http://www.lookpolymers.com/polymer_Cresset-Powers-Cress-Alon-A3000-30-rv-Film-or-Extrusion-Grade-Nylon-6-Dry-As-Molded.php)

Physical Properties	Metric	English	Comments
Density	1.12 - 1.14 g/cc	0.0405 - 0.0412 lb/in <sup>3</sup>	ASTM D792
Apparent Bulk Density	0.650 g/cc	0.0235 lb/in <sup>3</sup>	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	80.0 MPa	11600 psi	ASTM D638
Elongation at Yield	4.5 %	4.5 %	ASTM D638
Flexural Yield Strength	108 MPa	15700 psi	ASTM D790
Flexural Modulus	3.00 GPa	435 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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