Solvay Specialty Polymers Amodel® ET-1001 L Polyphthalamide (PPA) Resin, at 50% RH (discontinued **)

Category : Polymer , Thermoplastic , Polyphthalamide (PPA) , Polyphthalamide (PPA), High Impact

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Material Notes:

AMODEL ET-1001 L resin is an impact modified polyphthalamide (PPA) with exceptional impact strength and practical toughness. AMODEL PPA resins offer high fatigue strength, and good chemical resistance combined with good mechanical property retention over a broad temperature/ humidity range. Possible applications for AMODEL ET-1001 L resin include anti-friction and wear resistant components, and components of chemical and oil processing equipment, sporting goods, automobiles, household appliances, power tools, and safety equipment, where exceptional impact strength and high modulus are required. AMODEL ET-1001 L resin contains a lubricant for easier processing with conventional equipment and methods.Information provided by Solvay Advanced Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Amodel-ET-1001-L-Polyphthalamide-PPA-Resin-at-50-RH-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	ASTM D792
Moisture Absorption at Equilibrium	0.70 %	0.70 %	24 hours; ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	62.0 MPa	8990 psi	ASTM D638
Elongation at Break	30 %	30 %	ASTM D638
Elongation at Yield	6.0 %	6.0 %	ASTM D638
Tensile Modulus	2.30 GPa	334 ksi	ASTM D638
Flexural Strength	110 MPa	16000 psi	ASTM D790
Flexural Modulus	2.60 GPa	377 ksi	ASTM D790
Izod Impact, Notched	9.60 J/cm	18.0 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	310 °C	590 °F	ASTM D3418

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