

Shandong Dongyue Shenzhou New Material Co DS601 Perfluorinated Ethylene-Propylene Copolymer

Category : Polymer , Thermoplastic , Fluoropolymer , FEP

Material Notes:

Conformable with: Q/DYS 003-2007 Fluorinated Ethylene Propylene resin is the copolymer of the TFE and HFP, with good thermal stability, outstanding chemical inertness, good electrical insulation, and low coefficient of friction, enabling thermoplastic processing methods. Main Applications: Heat stress cracking resistant plastics, mainly for wire insulation layer, thin-walled tube. Information Provided by Shandong Dongyue Shenzhou New Material Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shandong-Dongyue-Shenzhou-New-Material-Co-DS601-Perfluorinated-Ethylene-Propylene-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.15 - 2.17 g/cc	2.15 - 2.17 g/cc	
Volatiles	<= 0.10 %	<= 0.10 %	
Melt Flow	2.1 - 4.0 g/10 min	2.1 - 4.0 g/10 min	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 25.0 MPa	>= 3630 psi	
Elongation at Break	>= 300 %	>= 300 %	

Thermal Properties	Metric	English	Comments
Melting Point	255 - 275 Å°C	491 - 527 Å°F	

Electrical Properties	Metric	English	Comments
Dielectric Constant	<= 2.15	<= 2.15	
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dissipation Factor	<= 0.00070	<= 0.00070	
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	

Descriptive Properties	Value	Comments
Appearance	Translucent particles, without impurities such as metal debris and sand, containing visible black particles percentage point less than 2%	
Heat Stress	Crackless	

Cracking (%) Descriptive Properties	Value	Comments
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