

## Shandong Dongyue Shenzhou New Material Co DS608 Fluorinated Ethylene-Propylene Copolymer For High-Speed Extrusion

Category : Polymer , Thermoplastic , Fluoropolymer , FEP

### Material Notes:

Conformable with: Q/DYS 003-2007 Fluorinated Ethylene Propylene is the copolymer of TFE and HFP, with good thermal stability, outstanding chemical inertness, good electrical insulation, and low coefficient of friction, enabling thermoplastic processing methods. DS608 are high molecular weight resins of low melt index, with low extrusion temperature, high extrusion speed which is 5 ~ 8 times of ordinary FEP resin. It is soft, anti-burst, and has good toughness. Main Applications: Mainly for aviation and aerospace industry, the MTR transport vehicles, automatic switching equipment, well test equipment, flame alarm systems, high-rise buildings, fire regional wires, cables, computers, communication networks, electrical fields, particularly applicable for high-speed extrusion small-caliber wire insulation material. It is more economical when used where no high stress cracking resistance is required. 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-DS608-Fluorinated-Ethylene-Propylene-Copolymer-For-High-Speed-Extrusion.php](http://www.lookpolymers.com/polymer_Shandong-Dongyue-Shenzhou-New-Material-Co-DS608-Fluorinated-Ethylene-Propylene-Copolymer-For-High-Speed-Extrusion.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.14 - 2.17 g/cc	2.14 - 2.17 g/cc	
Volatiles	<= 0.10 %	<= 0.10 %	
Melt Flow	12.1 - 16 g/10 min	12.1 - 16 g/10 min	D
	16.1 - 20 g/10 min	16.1 - 20 g/10 min	A
	20.1 - 24 g/10 min	20.1 - 24 g/10 min	B
	24.1 - 28 g/10 min	24.1 - 28 g/10 min	C

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 16.0 MPa	>= 2320 psi	
	>= 18.0 MPa	>= 2610 psi	
	>= 20.0 MPa	>= 2900 psi	
	>= 20.0 MPa	>= 2900 psi	
Elongation at Break	>= 250 %	>= 250 %	
	>= 270 %	>= 270 %	
	>= 300 %	>= 300 %	
	>= 300 %	>= 300 %	

Thermal Properties	Metric	English	Comments
Melting Point	255 - 275 °C	491 - 527 °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 less than 2%	

## Contact Songhan Plastic Technology Co.,Ltd.

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