

Huaxia Shenzhou DS608-D

Fluoropolymer

Shandong Huaxia Shenzhou New Material Co., Ltd.

Message:

Fluorinated ethylene-propylene resin, as a copolymer of tetrafluoroethylene and hexafluoropropylene, has good heat stability, outstanding chemical inertness, excellent electrical insulation and low friction coefficient, and can be processed by a thermoplastic processing method. DS608 resin with low molecular weight and high melt index has low extrusion temperature, high extrusion velocity (5-8 times of common FEP resin), and good flexibility, fold resistance and tenacity.

General Information		
Features	Copolymer	
	Electrically Insulating	
	Good Chemical Resistance	
	Good Flexibility	
	Good Thermal Stability	
	Low Friction	
	Low Molecular Weight	
Uses	Aerospace Applications	
	Aircraft Applications	
	Building Materials	
	Insulation	
	Wire & Cable Applications	
Appearance	Translucent	
Processing Method	Extrusion	
Physical	Nominal Value	Unit
Specific Gravity	2.13 to 2.16	g/cm ³
Melt Mass-Flow Rate (MFR)	12 to 16	g/10 min
Volatile Matter	< 0.10	%
Mechanical	Nominal Value	Unit
Tensile Strength	> 20.0	MPa
Tensile Elongation (Break)	> 300	%
Thermal	Nominal Value	Unit
Peak Melting Temperature	255 to 275	°C
Electrical	Nominal Value	
Dielectric Constant (1 MHz)	< 2.15	
Dissipation Factor (1 MHz)	< 7.0E-4	

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