

Processable fluoropolymer

FLUORINATED ETHYLENE-PROPYLENE COPOLYMER FOR HIGH-SPEED EXTRUSION (DS608)

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.

Quality Specification

Item	Unit	DS608			
		A	B	C	D
Appearance		Translucent particles, without impurities such as metal debris and sand, containing visible black particles less than 2%			
Melting Index	g/10min	16.1 ~ 20	20.1 ~ 24	24.1 ~ 28	12.1 ~ 16
Tensile Strength, \geq	MPa	20	18	16	20
Elongation at break, \geq	%	300	270	250	300
Relative Gravity		2.14 ~ 2.17			
Melting Point	$^{\circ}\text{C}$	265 \pm 10			
Dielectric Constant(10^6 HZ), \leq		2.15			
Dissipation Factor (10^6 HZ), \leq		7.0×10^{-4}			
Volatile, \leq	%	0.1			
Heat Stress Cracking Resistance		—			

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 in where no high stress cracking resistance is required.

Attention

The processing temperature should not exceed 420 $^{\circ}\text{C}$, to prevent toxic gas from releasing.

Package, Transportation and Storage

- 1、Packed in double layer PVC bags, 25kg, then closed to overpack bags. Every bag with certification.
- 2、Stored in clean, cool and dry places, avoid contamination from foreign substance such as dust and moisture.
- 3、Nontoxic, noninflammable, inexplusive, non-corrosion, the product is transported according to non-dangerous product.

GODBOAT