

Huaxia Shenzhou FKM DS2602

Fluoroelastomer

Shandong Huaxia Shenzhou New Material Co., Ltd.

Message:

Fluorous rubber (FKM-DS2600), commonly called 2# rubber, is white elastomer and copolymer of VDF and hexafluoropropylene, with fluorine content of over 66%. The product processed and vulcanized by raw fluorous rubber (DS2600), featured by good mechanical property and excellent oil resistance (fuels, synthetic oils, lubricating oils) and heat resistance, is an indispensable material for modern aviation, rocket, missile, space flight, and other top technologies and industries.

Characteristic: Medium Mooney viscosity

Application: Compression molding and injection molding O-rings, extrusion hoses, etc.

General Information		
Features	Copolymer	
	Fuel Resistant	
	Good Corrosion Resistance	
	Good Weather Resistance	
	High Heat Resistance	
	Medium Viscosity	
	Oil Resistant	
	Ozone Resistant	
	Radiation (Gamma) Resistant	
Uses	Aerospace Applications	
	Cable Jacketing	
	Coating Applications	
	Diaphragms	
	Gaskets	
	Hose	
	Piping	
	Seals	
Appearance	Transparent - Slight Yellow	
	White	
Forms	Film	
Processing Method	Compression Molding	
	Extrusion	
	Injection Molding	
Physical	Nominal Value	Unit
Specific Gravity	1.80 to 1.84	g/cm ³
Mooney Viscosity (ML 1+10, 121°C)	40 to 60	MU

Elastomers	Nominal Value	Unit
Tensile Strength		
--	> 11.0	MPa
-- ¹	> 9.00	MPa
Tensile Elongation		
Break	> 150	%
Break ²	> 120	%
Compression Set ³ (200°C, 24 hr)	< 25	%
NOTE		
1.	Aged for 24 hr at 275°C	
2.	Aged for 24 hr at 275°C	
3.	Bisphenol AF, compression ratio 30%	

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