

Fluoraz FEPM 799

Perfluoroethylene Propylene Copolymer
Greene, Tweed & Co.

Message:

Fluoraz FEPM 799 is a Perfluoroethylene Propylene Copolymer (FEP) product. It is available in North America.

General Information			
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.65	g/cm ³	ASTM D297
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	90		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	18.1	MPa	ASTM D412
Tensile Strength (Break)	20.7	MPa	ASTM D412
Tensile Elongation (Break)	120	%	ASTM D412
Compression Set ¹			ASTM D395
23°C, 70 hr	18	%	
175°C, 166 hr	36	%	
200°C, 22 hr	35	%	
200°C, 70 hr	40	%	
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (276°C, 70 hr)	-48	%	ASTM D573
Change in Ultimate Elongation in Air (276°C, 70 hr)	-9.0	%	ASTM D573
Change in Durometer Hardness in Air (276°C, 70 hr)	2.0		ASTM D573
Change in Tensile Strength			ASTM D471
135°C, 70 hr, in Ford ATF	-8.0	%	
135°C, 70 hr, in MIL-H-5606	-25	%	
175°C, 70 hr, in Stauffer 7700 Fluid	-24	%	
Change in Ultimate Elongation			ASTM D471
135°C, 70 hr, in Ford ATF	21	%	
135°C, 70 hr, in MIL-H-5606	22	%	
175°C, 70 hr, in Stauffer 7700 Fluid	28	%	
Change in Durometer Hardness			ASTM D471
135°C, 70 hr, in Ford ATF	-6.0		
135°C, 70 hr, in MIL-H-5606	-17		
175°C, 70 hr, in Stauffer 7700 Fluid	-16		

Change in Volume			ASTM D471
135°C, 70 hr, in Ford ATF	7.0	%	
135°C, 70 hr, in MIL-H-5606	19	%	
175°C, 70 hr, in Stauffer 7700 Fluid	18	%	
Thermal	Nominal Value	Unit	
Service Temperature	-7 to 232	°C	
Rubber Classification	FEPM		ASTM D1418
TR 10/50	7	°C	ASTM D1329
NOTE			
1.	In air, 25% of original deflection		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

