

Fluoraz FEPM 790

Perfluoroethylene Propylene Copolymer
Greene, Tweed & Co.

Message:

Fluoraz FEPM 790 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	1.60	g/cm ³	ASTM D297
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	95		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (50% Strain)	10.7	MPa	ASTM D412
Tensile Strength (Break)	24.1	MPa	ASTM D412
Tensile Elongation (Break)	130	%	ASTM D412
Compression Set ¹			ASTM D395
23°C, 70 hr	16	%	
175°C, 166 hr	27	%	
200°C, 22 hr	21	%	
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (276°C, 70 hr)	-46	%	ASTM D573
Change in Ultimate Elongation in Air (276°C, 70 hr)	-11	%	ASTM D573
Change in Durometer Hardness in Air (276°C, 70 hr)	0.0		ASTM D573
Change in Tensile Strength			ASTM D471
135°C, 70 hr, in Ford ATF	-16	%	
135°C, 70 hr, in MIL-H-5606	-27	%	
135°C, 70 hr, in Wagner 21B	-22	%	
175°C, 70 hr, in Stauffer 7700 Fluid	-27	%	
Change in Ultimate Elongation			ASTM D471
135°C, 70 hr, in Ford ATF	18	%	
135°C, 70 hr, in MIL-H-5606	21	%	
135°C, 70 hr, in Wagner 21B	34	%	
175°C, 70 hr, in Stauffer 7700 Fluid	28	%	
Change in Durometer Hardness			ASTM D471
135°C, 70 hr, in Ford ATF	-3.0		
135°C, 70 hr, in Stauffer 7700 Fluid	-11		

135°C, 70 hr, in Wagner 21B	-8.0		
Change in Volume			ASTM D471
135°C, 70 hr, in Ford ATF	8.0	%	
135°C, 70 hr, in MIL-H-5606	23	%	
135°C, 70 hr, in Wagner 21B	8.3	%	
175°C, 70 hr, in Stauffer 7700 Fluid	21	%	
Change in Flexural Strength - in Wagner 21B ² (135°C)	-8 Points		ASTM D471
Service Temperature	-7 to 232	°C	
Rubber Classification	FEPM		ASTM D1418
TR 10/50	4	°C	ASTM D1329
NOTE			
1.	In air, 25% of original deflection		
2.	70 hrs		

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