

Chemraz 565

Perfluoroelastomer
Greene, Tweed & Co.

Message:
Chemraz 565 is a Perfluoroelastomer product. It is available in North America.

General Information			
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.93	g/cm ³	ASTM D297
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	75		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D1414
50% Strain	3.10	MPa	
100% Strain	7.93	MPa	
Tensile Strength (Break)	12.1	MPa	ASTM D1414
Tensile Elongation (Break)	140	%	ASTM D1414
Compression Set			ASTM D395
149°C, 1000 hr ¹	26	%	
149°C, 1000 hr ²	41	%	
204°C, 70 hr ³	25	%	
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength			ASTM D471
23°C, 70 hr, in Reference Fuel B	-16	%	
121°C, 70 hr, in Steam	-8.0	%	
121°C, 70 hr, in Water	-11	%	
175°C, 70 hr, in Stauffer 7700 Fluid	-2.0	%	
Change in Ultimate Elongation			ASTM D471
23°C, 70 hr, in Reference Fuel B	-11	%	
121°C, 70 hr, in Steam	-8.0	%	
121°C, 70 hr, in Water	-3.5	%	
175°C, 70 hr, in Stauffer 7700 Fluid	-2.8	%	
Change in Durometer Hardness			ASTM D471
23°C, 70 hr, in Reference Fuel B	1.0		
121°C, 70 hr, in Steam	-4.0		
121°C, 70 hr, in Water	-4.0		
175°C, 70 hr, in Stauffer 7700 Fluid	2.0		
Change in Volume			ASTM D471

23°C, 70 hr, in Reference Fuel B	1.9	%
121°C, 70 hr, in Steam	1.2	%
121°C, 70 hr, in Water	1.5	%
175°C, 70 hr, in Stauffer 7700 Fluid	1.0	%
Thermal	Nominal Value	Unit
Service Temperature	-30 to 220	°C
Rubber Classification	FFKM	ASTM D1418
NOTE		
1.	In air (4 more hr PC @ 300°F), 25% Deflection	
2.	In air, 25% Deflection	
3.	In air, 25% Deflection	

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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

