

Ethavin™ 75 FRE

Thermoplastic Polyolefin Elastomer
Vi-Chem Corporation

Message:

Ethavin™ 75 FRE is a Thermoplastic Polyolefin Elastomer (TPO (POE)) material. It is available in North America.

General Information			
Forms	Pellets		
Hardness	Nominal Value	Test Method	
Durometer Hardness (Shore A)	76	ASTM D2240	
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	10.6	MPa	ASTM D412
Tensile Elongation (Break)	380	%	ASTM D412
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air			ASTM D573
125°C, 140 hr	20	%	
150°C, 70 hr ¹	39	%	
150°C, 70 hr	2.0	%	
Change in Ultimate Elongation in Air			ASTM D573
125°C, 140 hr	-24	%	
150°C, 70 hr ²	-51	%	
150°C, 70 hr	47	%	
Change in Volume (125°C, 70 hr, in IRM 903 Oil)	-2.0	%	ASTM D471
Change in Hardness			
125°C ³	8 pts		
150°C ⁴	13 pts		
150°C ⁵	14 pts		
Cold Flexibility - 70 hrs (-40°C)	Pass		
Flammability ⁶	2.6	sec	
Bloom	Pass		
Ozone Resistance	Pass		
NOTE			
1.	Sample Aged on Steel Plate		
2.	Sample Aged on Steel Plate		
3.	Shore A, Oven aged, 140 hrs		
4.	Shore A, Oven aged, 70 hrs, Steel plate		
5.	Shore A, Oven aged, 70 hrs		
6.	60 Second Flame Out Test		

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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

