



FKM



Standard Compounds for Machined Seal

FKM or Fluroelastomer is a class of synthetic rubber designed for very high temperature operation. FKM provides extraordinary levels of resistance to chemicals, heat and oil, while providing useful service life above 428°F

Trade Name: Viton® Chemours

Also Known as: VT, FKM, FPM, Viton

Compound	---	S24 F01	S24 F02	S24 F03	S24 F04	---
Features	---	Brown In Color	General Purpose	FDA compliant to 177.2600, CFR 21	Anti Explosive Decompression	---
Color	---	Brown	Black	Brown	Black	
Hardness ISO 868	Shore A	82	85	80	85	
Minimum Temperature	°F	-4	-4	-4	-4	
Maximum Temperature	°F	428	410	428	428	
Modulus @ 100% DIN 53504	psi	≥ 870	≥ 1015	≥ 870	≥ 870	
Tensile Strenght DIN 53504	psi	≥ 1305	≥ 1305	≥ 1160	≥ 1450	
Elongation @ Break DIN 53504	%	≥ 200	≥ 140	≥ 150	≥ 200	
Tear Strenght DIN ISO 34-1	lbf/inch	≥ 114	≥ 39	---	≥ 114	



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Specific Gravity ISO 1183	g/cm ³	2.53	1.87	2.4	1.86	
Rebound Elasticity DIN 53512	%	7	9	7	11	
Abrasion DIN 53516	mm ²	175	---	220	175	
Compression Set ISO 815 24h 158 °F 25% def	%	≤ 17	≤ 13	≤ 7	≤ 30	
Compression Set ISO 815 24h 212 °F 25% def	%	≤ 10	---	≤ 9	≤ 35	
Compression Set ISO 815 24h 302 °F 25% def	%	≤ 15	---	≤ 14	≤ 45	

TEST DATA ONLY - DO NOT USE FOR SPECIFICATION

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