

Material Datasheet

Compound #: V70141

FKM, High Chemical Resistance

Material Summary

Material Type:	FKM
Durometer:	70
Color:	Black
Special Properties:	Improved Chemical Resistance
Specification:	ASTM D2000 M2HK710 A1-10 F15 Z1 Z2

Original Properties	Requirements	Typical Results
Hardness,(shore A)(ASTM D2240-15 ^{e1})	70±5	71
Tensile Strength,MPa(ASTM D412-16)	10(min)	18.56
Elongation,(%)(ASTM D412-16)	175(min)	335
Modulus at 100%,MPa(ASTM D412-16)		3.77
Density,(Mg/m ³)(CNS 5341-96,Method A)		1.87
(A1-10) Heat age, 70 Hrs @ 250 °C (ASTM D573-04)		
Hardness Change, pts.	+10(max)	+2
Tensile Strength Change, %	-25(max)	-14
Elongation Change, %	-25(max)	+29
Weight Change, %		-1.4
(Z1) Compression Set, 70 Hrs @ 200°C (ASTM D395-16,Method B)		
-	30%(plied)(max)	23.3
(F15) Low-Temperature Brittleness Point Test,3 minutes at -25 °C (ASTM D2137-11, Method A)		
Sample type: T-50		
Coolant : Isopropyl alcohol		
Brittleness temperature to nearest 1°C	no crack	pass
(Z2) DSC Tg Point (°C) :		
-	-15(max)	-17.16

*American Society for Testing and Materials

Report Date: 6/19/2017

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