

Test data provided by raw material manufacturer or an ISO 17025 registered 3rd party lab. Original test data is stored in the Darcoïd Compound Database



4/22/2022

Darcoïd Compound: 3011

## COMPOUND DATA SHEET

FFKM, 75±5 Shore A

This compound will meet or exceed the specifications listed and has the following physical properties:

ORIGINAL PROPERTIES	TEST METHOD	RESULT
Hardness, Shore A	D-2240	75
Tensile Strength, psi	D-1414	1239
Ultimate Elongation, %	D-1414	144
Modulus at 50% Elongation, psi	D-1414	360
Modulus at 100% Elongation, psi	D-1414	855
Specific Gravity	D-297	1.87

COMPRESSION SET	TEST METHOD	RESULT
70 HR @ 200°C, %	D-395, Method B	10
70 HR @ 230°C, %	D-395, Method B	14
70 HR @ 250°C, %	D-395, Method B	18
168 HR @ 200°C, %	D-395, Method B	19
168 HR @ 230°C, %	D-395, Method B	33

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FLUID RESISTANCE	TEST METHOD	RESULT
UPDI H2O, 70 HRS @ 500°F	D-471	
Hardness Change, pts		-3
Change in Tensile, %		-8
Change in Elongation, %		+15
Modulus at 50% Elongation, psi		-24
Modulus at 100% Elongation, psi		-22
Change in Volume, %		+8
UPDI Steam, 70 HRS @ 500°F	D-471	
Hardness Change, pts		-1
Change in Tensile, %		-18
Change in Elongation, %		-17
Modulus at 50% Elongation, psi		-11
Modulus at 100% Elongation, psi		+3
Change in Volume, %		+2
Ethylene Diamine, 70 HRS @ 194°F	D-471	
Hardness Change, pts		-1
Change in Tensile, %		-19
Change in Elongation, %		+38
Modulus at 50% Elongation, psi		-23
Modulus at 100% Elongation, psi		-35
Change in Volume, %		+9

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