

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



6/14/2022

Darcoïd Compound: 2002

COMPOUND DATA SHEET

EPDM 70±5 SHORE A
INTERNALLY LUBRICATED
USP CLASS VI AND USP <87>
TEMPERATURE RANGE: -65 to +250°F

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

ORIGINAL PROPERTIES	2-129 O-RING RESULTS	2-211 O-RING RESULTS
Hardness, Shore A	65	70
Tensile Strength, psi	2035	1725
Ultimate Elongation, %	275	252
Modulus, 100% Elongation, psi	351	252
Specific Gravity	351	NT
	1.06	NT
HEAT AGING, 70 H @ 125°C, ASTM D573		
Hardness Change, pts	+4	NT
Tensile change, %	+22	NT
Elongation change, %	+12	NT
HEAT AGING, 70 H @ 100°C, ASTM D573		
Hardness Change, pts	NT	2
Tensile change, %	NT	-7
Elongation change, %	NT	0
COMPRESSION SET, %, ASTM D395 METHOD B		
70 h @ 100°C	8	9
70 h @ 125°C	15	NT
70 h @ 150°C	13	NT
FLUID RESISTANCE, DISTILLED WATER (168 h @ 100°C) ASTM D471		
Hardness Change, pts	NT	+2
Volume change, %	NT	0

NT = not tested

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