



Engineered Seal Products
 5920 Dry Creek Ln NE
 Cedar Rapids, IA 52402
www.espint.com

L8090

Revision: A

MATERIAL: FVMQ
COMPOUND: L8090
SPECIFICATION: ASTM D2000 M2FK706 A19 EF31 EO36 F19
COLOR: LIGHT BLUE
CERTIFICATIONS: UL RECOGNIZED
ADDITIONAL NOTES: PEROXIDE CURED

Spec	<u>Original Physical and Mechanical Properties</u>	<u>Requirements</u>	<u>Result</u>
	Hardness, Shore A Pts, ASTM D 2240	70±5	73
	Tensile Strength, MPa (psi) min., ASTM D 412	6 (870)	7.10 (1029)
	Ultimate Elongation, % min., ASTM D 412	150	202
	Modulus @ 100%, MPa (psi), ASTM D 412	-	4.13 (599)
	Density, Mg/m ³	-	1.57
A19	<u>Heat Resistance (ASTM D 573) 70 h @ 225°C</u>	<u>Requirements</u>	<u>Result</u>
	Change in Hardness, Pts max.	15	0
	Change in Tensile, % max.	-45	-23
	Change in Elongation, % max.	-45	-13
	Change in Weight, %	-	-0.8
EF31	<u>Fluid Resistance (ASTM D 471) 70 h in ASTM Fuel C @ 23°C</u>	<u>Requirements</u>	<u>Result</u>
	Change in Hardness, Pts	-15~0	-10
	Change in Tensile, % max.	-60	-6
	Change in Elongation, % max.	-50	-5
	Change in Volume, %	0~+25	+21.3
EO36	<u>Oil Resistance (ASTM D 471) 70 h in IRM903 Oil @ 150°C</u>	<u>Requirements</u>	<u>Result</u>
	Change in Hardness, Pts max.	-10~0	-4
	Change in Tensile, % max.	-35	-3
	Change in Elongation, % max.	-30	3
	Change in Volume, %	0~+10	4.0

Note: the values listed above are only valid for material samples prepared for laboratory test purposes as documented in the standards listed above



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F19	<u>Low Temperature Brittleness Point Test (ASTM D 2137, Method C)</u>	<u>Requirements</u>	<u>Result</u>
	3 m @ -55°C Sample type: T-50, Coolant: Isopropyl alcohol Low Temperature Property	No Crack	Pass

Note: the values listed above are only valid for material samples prepared for laboratory test purposes as documented in the standards listed above