



SPEC SEALS TECHNICAL REPORT C200-70 NEOPRENE COMPOUND

GENERAL PROPERTIES

Neoprene, sometimes known as Chloroprene, has the unusual characteristic of being resistant to both petroleum lubricants and oxygen over a temperature range of -40F to +225F. SPEC SEALS C200-70 is a "W" Type elastomer and meets all popular ASTM D2000/SAE J200 Specifications.

		SPEC SEALS C200-70	
ASTM		ASTM D2000	LABORATORY
<u>Designation</u>	<u>ORIGINAL PROPERTIES</u>	<u>SPECIFICATION</u>	<u>RESULTS</u>
	Durometer, Shore A	70 +/- 5	71
	Tensile, psi (MPa), Minimum	1450 (10)	2050 (14)
	Elongation, % Minimum	250	300
	Specific Gravity	-	1.47
A14	<u>HEAT AGE, 70 HRS @ 100 C</u>		
	Durometer Change, Points	+15	+6
	Tensile Strength Change, % Maximum	-15	-4
	Elongation Change, % Maximum	-40	-16
B14	<u>COMPRESSION SET, 22 HRS @ 100 C</u>		
	Original Deflection, % Maximum	35	19.4
EO14	<u>ASTM #1 OIL, 70 HRS @100C</u>		
	Durometer Change, Points	+/-10	-5
	Tensile Change, % Maximum	-30	-6
	Elongation Change, % Maximum	-30	-10
	Volume Change, %	-10/+15	+6
EO34	<u>ASTM #3 OIL, 70 HRS @100C</u>		
	Tensile Change, % Maximum	-60	-31
	Elongation Change, % Maximum	-50	-33
	Volume Change, % Maximum	+100	+49
F17	<u>LOW TEMPERATURE BRITTLENESS</u>		
	ASTM D2137, Method A, 9.3.2		
	3 Minutes @ -40 C	Non-Brittle	Pass

SPECIFICATIONS MET

ASTM D2000-99 Grade M3BC710 A14 B14 EO14 EO34 F17

MANUFACTURER'S CROSS REFERENCE

C200-70 is designed to meet or exceed the properties of these popular Neoprene Compounds: C873-70, 2347, N11-70, 3110-70, N18538, 486CT.