Parker

Seals

KA183-85
Low Temperature HNBR

TYPICAL PHYSICAL PROPERTIES

	Spec.	Data
HARDNESS, SHORE A (2-325 O-Rings)	85 ±5	88
MODULUS @ 50% ELONGATION, psi	800	846
MODULUS @ 100% ELONGATION, psi	1500	1947
ULTIMATE TENSILE STRENGTH, psi	1800	2551
ULTIMATE ELONGATION, %	100	139
SPECIFIC GRAVITY		1.36
% COMPRESSION SET, 70 HRS @ 212°F	25	18.0
TEMPERATURE RANGE		-40F - +300F.

NOTE: THESE ARE TYPICAL VALUES AND SHOULD
NOT BE USED AS SPECIFICATION LIMITS

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Compound KA183-85
Test Results

Media	Hardness Change, Pnts.	100% Modulus Change, %	Ultimate Tensile Change, %	Elongation Change, %	Weight Change, %	Volume Change, %
Original	88	1947	2551	139		
Brayco 864 70hr @ 158F.	-5	-14	-22	-17		+8
Marsten Bently HW525 70hr @ 158F	-3	-9	-5	+1		+5
Marsten Bently HW443 70hr @158 F	+2	-5	+6	-1		+1
Methanol 70 hr @ 68-86F.	-9	-35	-30	-8		+11
Erifonn 818 70hr @ 158F	0	-5	-12	-7		+1
IRM 903, 70 hr @212F	-12	-30	-12	-2		+20
Kerosene 70 hr @ 212F	-9	-34	-34	-15		+31
Distilled Water 70 @212F	-1	0	-1	+2		+3
10% NaOH 70 hrs @ 212F	+2	-3	-11	00		+1
Baroid Petrofree drill fluid 70 hr @ 212F	-12	-30	-19	-5		+21
Heat Aging 70 hr @ 212F	-1	-7	-1	+5		0
Heat Aging 70 hr @ 250F	0	-2	+1	+3		-1
Heat Aging 70 hr @ 302F	+3	+8	-4	-12		

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□ 70 Hrs @ Room Temperature

□ 168 Hrs @ 100º C