



P4300A90

RESILON

TYPICAL PHYSICAL PROPERTIES USP Class VI Certified Material

HARDNESS, SHORE A	91
MODULUS @ 100% ELONGATION, psi	1710
MODULUS @ 300% ELONGATION, psi	2717
ULTIMATE TENSILE STRENGTH, psi	9027
ULTIMATE ELONGATION, %	605
SPECIFIC GRAVITY	1.18
REBOUND, %	62
COMPRESSION SET 70 hrs @ 212° F, %	29.1
TEMPERATURE RANGE	-65° TO +275° F

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

Compound P4300A90

Test Results

Media	Hardness Change, Pnts.	100% Modulus Change, %	Ultimate Tensile Change, %	Elongation Change, %	Weight Change, %	Volume Change, %
Original	94	2000	7200	720		
Fuel A	-1	-6	8	1	2	4
Final Value	93	1889	7741	730		
Fuel B	-1	0	-3	-15	13	18
Final Value	93	2971	5029	610		
Fuel C	-2	-3	-30	-35	21	29
Final Value	92	1941	5029	470		
Methanol	-3	-25	-16	-17	12	18
Final Value	91	1507	6029	600		
JP-4 Jet Fuel	0	-3	5	-8	8	11
Final Value	94	1943	7543	660		
JA Jet Fuel	1	-3	19	-7	6	8
Final Value	95	1943	8580	670		
ASTM #1 Oil	1	-2	-4	-1	0	1
Final Value	95	1971	6941	650		
ASTM #3 Oil	-1	-6	-28	-10	8	9
Final Value	93	1882	5176	650		
MIL-H-5606	0	0	35	-15	5	7
Final Value	94	2000	9714	610		
Rapeseed Oil	-1	-2	16	-1	2	2
Final Value	93	1971	8353	710		
Distilled Water	0	-14	-41	-10	2	2
Final Value	94	1714	4225	650		
Jet Oil II	-1	-3	18	-6	10	12
Final Value	91	1943	8457	680		
Stauffer 7700	-1	-3	23	-10	9	10
Final Value	93	1943	8823	650		
Rando HD32	0	0	17	3	2	2
Final Value	94	1971	8400	700		
Ethylene Glycol	-2	-16	-30	-6	5	5
Final Value	92	1690	5070	680		
Oven Air Age	0	2	21	-3	0	0
Final Value	94	2029	8693	700		

LL-937



70 Hrs @ Room Temperature



168 Hrs @ 100° C

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