



MAKERS OF ACUSHNET RUBBER
O RINGS - CUSTOM ELASTOMER SOLUTIONS

Technical Report: F103 (-40 TR-10) in Biodiesel

Physical properties:

Hardness Shore A, pts	78
Tensile Strength, psi	2401
Elongation, %	134
TR10, °C	-40
Modulus @ 100%, psi	715

Fluid Resistance, ASTM D471,

B20 (20% SME, 80% LS Diesel), 336h @ 90°C:

Change in Durometer, pts	-2
Change in Tensile, %	-12
Change in Elongation, %	-9
Volume Change, %	3

B20 (20% SME, 80% LS Diesel), 1008h @ 90°C:

Change in Durometer, pts	-3
Change in Tensile, %	-5
Change in Elongation, %	-2
Volume Change, %	4

B20 (20% SME, 80% LS Diesel), 336h @ 125°C:

Change in Durometer, pts	-4
Change in Tensile, %	-6
Change in Elongation, %	-4
Volume Change, %	4

B20 (20% SME, 80% LS Diesel), 1008h @ 125°C:

Change in Durometer, pts	-5
Change in Tensile, %	-11
Change in Elongation, %	-6
Volume Change, %	5

B20 (20% SME, 80% LS Diesel), 336h @ 150°C:

Change in Durometer, pts	-3
Change in Tensile, %	-14
Change in Elongation, %	-12
Volume Change, %	5

B20 (20% SME, 80% LS Diesel), 1008h @ 150°C:

Change in Durometer, pts	-6
Change in Tensile, %	-8
Change in Elongation, %	-4
Volume Change, %	6

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