HNBR 207 Sealing Solutions

Compound No./Material Name:	Rubber Classification:	Service Temperature Range:	Color:
HNBR 207	(ASTM D1418): HNBR	-40°F to 350°F (-40°C to 177°C)	Black

Description		Typical
Original Properties (ASTM Standard)		
Specific Gravity (D297)		1.18
Hardness, Shore A, Points (D2240)		70
Tensile Strength, psi [MPa] (D412)		4,450 [30.68]
Elongation, % (D412)		310
Modulus @ 100% Elongation, psi [MPa] (D412)		540 [3.72]
TR 10/50, °F (D1329)		-1
Air Aging (ASTM Standard)		
70 Hours @ 257°F (125°C)	Hardness Change, Points (D573)	+2
	Tensile Change, % (D573)	+0.5
	Modulus @ 100% Change % (D573)	+0.8
70 Hours @ 350°F (177°C)	Hardness Change, Points (D573)	+6
	Tensile Change, % (D573)	-29
	Elongation Change % (D573)	-41
Fluid Aging (ASTM Standard)		
70 Hours @ 212°F (100°C) In ASTM Oil #1	Hardness Change, Points (D471)	0
	Tensile Change, % (D471)	-3.7
	Elongation Change, % (D471)	+7.5
	Volume Change, % (D471)	+0.2
70 Hours @ 212°F (100°C) In ASTM Oil #3	Hardness Change, Points (D471)	-8
	Tensile Change, % (D471)	-26
	Elongation Change, % (D471)	-15
	Volume Change, % (D471)	+17
70 Hours @ 300°F (149°C) In Diesel Oil #2	Hardness Change, Points (D471)	-11
	Tensile Change, % (D471)	-41
	Elongation Change, % (D471)	-20
	Volume Change, % (D471)	+26

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08/18-GT DS-US-GE-178

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HNBR 207	(ASTM D1418): HNBR	-40°F to 350°F (-40°C to 177°C)	Black

Description	Typical
Compression Set @ 25% Deflection (ASTM Standard)	
70 Hours @ Room Temerature, In Air, % of Original Deflection, % (D395)	7
70 Hours @ 212°F (100°C), In Air, % of Original Deflection, % (D395)	8
70 Hours @ 257°F (125°C), In Air, % of Original Deflection, % (D395)	14
70 Hours @ 300°F (149°C), In Air, % of Original Deflection, % (D395)	15

Note
Unless otherwise noted, all tests performed on ASTM slabs and buttons.

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