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 Date 08/02/07
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Material: 366480
Description: Nitrile (NBR) 80 Durometer



Color - Black

Temperature Range: -30° to 120°C (-22° to 248°F)

MECHANICAL PROPERTIES	ENGLISH	UNIT	SI METRIC	UNIT	STANDARD
Tensile Strength	1,900	psi	13.6	MPa	ASTM D412
Elongation	220	%	220	%	ASTM D412
100% Modulus	800	psi	5.5	MPa	ASTM D412
Hardness Shore A	80	Shore A	-	IRHD	DIN 53519
PHYSICAL PROPERTIES	ENGLISH	UNIT	SI METRIC	UNIT	STANDARD
Specific Gravity	1.34	-	-	-	ASTM D792
THERMAL PROPERTIES					STANDARD
Low Temperature TR-10	-		-		ASTM D1329
Heat Aging (70hrs @ 100°C)			-		ASTM D865
Hardness Change, Points	+3		-		
Tensile Change, %	+6				
Elongation Change, %	-20				
Change in Weight, %					
SEALING PROPERTIES					STANDARD
Compression Set %	(22hrs @ 100°C) 8		(70hrs @ 100°C) 18		ASTM D395
FLUID RESISTANCE PROPERTIES					STANDARD
Fluid ASTM Oil #1 (70hrs @ 100°C)			-		ASTM D471
Hardness Change, Points	+5		-		
Tensile Change, %	+13				
Elongation Change, %	+4				
Change in Volume, %	-6				
Fluid ASTM Oil #3 (70hrs @ 100°C)			-		ASTM D471
Hardness Change, Points	-4		-		
Tensile Change, %	+7				
Elongation Change, %	-11				
Change in Volume, %	+7				

MATERIAL PROPERTIES

The information is, to the best of our knowledge, accurate and reliable to the date indicated. The above mentioned data have been obtained by tests we consider reliable. We don't assure that the same results can be obtained in other labs. Testing in actual service conditions is recommended prior to use.