

COMPOUND NUMBER

88651A

Description

Hydrogenated Nitrile (HNBR) 80 Shore A
Black
-20°C to 150°C

Improved chemical and thermal stability.

ORIGINAL PHYSICAL PROPERTIES

		Units	Test Method
Tensile Strength	20 to 25	MPa	ASTM D412
Elongation	200 to 260	%	ASTM D412
Hardness	80 ± 5	Shore A	ASTM D2240

SEALING PROPERTIES

	25% Squeeze	Units	Time	Temperature	Test Method
			Hours	°C	
Compression Set	10 to 25	%	22	100	ASTM D395-B

THERMAL PROPERTIES

	Δ Hardness	Δ Tensile	Δ Elongation	Time	Temperature	Test Method
	Pts.	%	%	Hours	°C	
Heat Aging	0 to +15	-25 Max	-50 Max	70	125	ASTM D573

FLUID IMMERSION PROPERTIES

	Δ Hardness	Δ Tensile	Δ Elongation	Δ Volume	Time	Temperature	Test Method
	Pts.	%	%	%	Hours	°C	
ASTM Fuel C	-30 to 0	-60 Max	-60 Max	0 to +50	70	23	ASTM D471
IRM 901 Oil	0 to +10	-20 Max	-35 Max	-15 to 5	70	125	ASTM D471
IRM 903 Oil	±10	-15 Max	-30 Max	0 to +25	70	125	ASTM D471