

COMPOUND NUMBER

88670A

Description

Hydrogenated Nitrile (HNBR) 85 Shore A
Black
-40°C to 150°C

Improved low temperature stability compared to general purpose HNBR.

ORIGINAL PHYSICAL PROPERTIES

		Units	Test Method
Tensile Strength	15 to 18	<i>MPa</i>	ASTM D412
Elongation	120 to 150	%	ASTM D412
Hardness	85 ± 5	<i>Shore A</i>	ASTM D2240

SEALING PROPERTIES

	25% Squeeze	Units	Time	Temperature	Test Method
			<i>Hours</i>	<i>°C</i>	
Compression Set	20 to 40	%	22	150	ASTM D395-B

THERMAL PROPERTIES

		Units	Test Method
Low Temperature Resistance	Pass	<i>3 min @ -40°C</i>	ASTM D2137

	Δ Hardness	Δ Tensile	Δ Elongation	Time	Temperature	Test Method
	<i>Pts.</i>	%	%	<i>Hours</i>	<i>°C</i>	
Heat Aging	±15	±30	-50 Max.	70	150	ASTM D573

FLUID IMMERSION PROPERTIES

	Δ Hardness	Δ Tensile	Δ Elongation	Δ Volume	Time	Temperature	Test Method
	<i>Pts.</i>	%	%	%	<i>Hours</i>	<i>°C</i>	
IRM 901 Oil	-5 to +10	-20 Max	-40 Max	-10 to +5	70	150	ASTM D471
IRM 903 Oil	-25 Max	-40 Max	-40 Max	+30 Max	70	150	ASTM D471