

COMPOUND NUMBER

36624A

Description

Nitrile (NBR) 70 Shore A
Black
-35°C to 110°C

General purpose compound with medium acrylonitrile content for use with hydraulic fluids, alcohols, water, and fuels.

ORIGINAL PHYSICAL PROPERTIES

		Units	Test Method
Tensile Strength	10 to 16	MPa	ASTM D412
Elongation	250 to 350	%	ASTM D412
Hardness	70 ± 5	Shore A	ASTM D2240

SEALING PROPERTIES

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

THERMAL PROPERTIES

	Δ Hardness Pts.	Δ Tensile %	Δ Elongation %	Time Hours	Temperature °C	Test Method
Heat Aging	±15	±30	-50 Max	70	100	ASTM D573

FLUID IMMERSION PROPERTIES

	Δ Hardness Pts.	Δ Tensile %	Δ Elongation %	Δ Volume %	Time Hours	Temperature °C	Test Method
ASTM Fuel A	±10	-25 Max	-25 Max	-5 to +10	70	23	ASTM D471
ASTM Fuel B	-30 to 0	-60 Max	-60 Max	0 to +40	70	23	ASTM D471
IRM 901 Oil	-5 to +10	-25 Max	-45 Max	-10 to +5	70	100	ASTM D471
IRM 903 Oil	-10 to +5	-45 Max	-45 Max	0 to +25	70	100	ASTM D471
Water	± 10	-	-	±15	70	100	ASTM D471