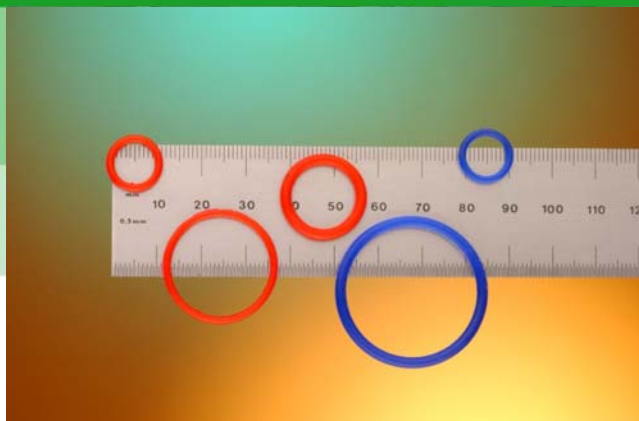


MATERIAL TEST DATA

TRP COMPOUND REFERENCE
N°: C244

Polymer Type: Acrylonitrile Butadiene
(Nitrile)



Description

A soft black Acrylonitrile Butadiene compound formulated and tested to BS2751:2001 BA40. It offers excellent physical properties and compression set performance. It is suitable for a wide range of industrial applications

particularly involving oils and aqueous solutions.
Service Temperatures -25°C (-13°F) to +100°C (212°F).

Property	Specification	Typical Values	Test Standard
Colour		Black	
Hardness (°IRHD)	36 - 45	38	ISO 48
Tensile Strength (MPa)	7 min	14.6	ISO 37
Elongation @ Break (%)	600 min	726	ISO 37
Specific Gravity (g/cm ³)	1.11 to 1.15	1.14	ISO 2781
Compression set 24hr @ 70°C (%)	30 max	15.0	ISO 815-1

Heat Aged 168hrs @ 70°C

Hardness change (°IRHD)	-0 to +10	+4	ISO 188
Tensile Strength change (%)	to -10 max	+5	ISO 188
Elongation @ Break change (%)	to -35 max	-4	ISO 188

Fluid resistance 22hrs @ 40°C immersion in liquid B

Volume change (%)	-0 to +30 max	+22	ISO 1817
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Low temperature using Ethyl Alcohol / CO2 cooling medium at -30°C

Modulus (MPa)	to 70 max	3	903 part A13, ISO 1432
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Corrosion Carbon steel & Copper 166hrs @70°C

No corrosion or pitting of the metals, no sign of adhesion or liquid exudation of the vulcanizates	pass	ISO 6505 method A
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Data Sheet	Page	Issue Date	Issue No.	Issue By
MD244	1 of 1	22.05.15	1	CTD

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H I G H P E R F O R M A N C E E L A S T O M E R S