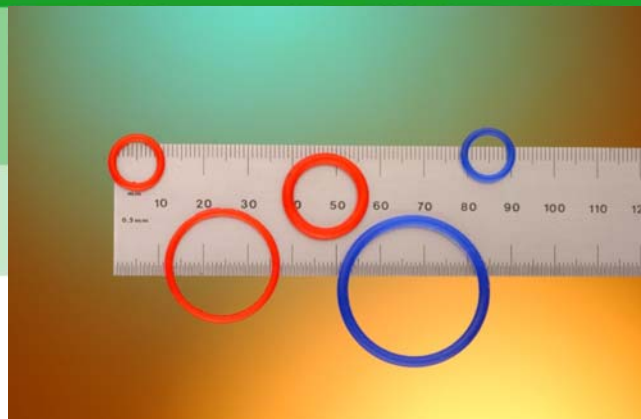


MATERIAL TEST DATA

TRP COMPOUND REFERENCE
N°: C291

Polymer Type: Acrylonitrile Butadiene
(Nitrile)



Description

A black Acrylonitrile Butadiene compound formulated and tested to BS2751:2001 BA80. 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)	76 - 85	76	ISO 48
Tensile Strength (MPa)	12.5 min	17.0	ISO 37
Elongation @ Break (%)	150 min	302	ISO 37
Compression set 24hr @ 70°C (%)	20 max	11.0	ISO 815-1

Heat Aged 168hrs @ 70°C

Hardness change (°IRHD)	-0 to +10	+2	ISO 188
Tensile Strength change (%)	to -10 max	+5	ISO 188
Elongation @ Break change (%)	to -35 max	-9	ISO 188

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

Volume change (%)	-0 to +25 max	+19	ISO 1817
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Low temperature using Ethyl Alcohol / CO2 cooling medium at -15°C

Modulus (MPa)	to 70 max	12	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
MD245	1 of 1	28.05.15	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