

COMPOUND: C292 (ZO)

POLYMER TYPE: ACRYLONITRILE BUTADIENE (NITRILE) 70 (+/-5°)

BS2751 BA70 Specification

Description

A black Acrylonitrile Butadiene compound formulated and tested to BS2751:2001 BA70. 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 to +100°C.

	Units Method	Specification	Typical Values
Physical Properties			
HARDNESS (ISO 48)	°IRHD	66 to 75	68
TENSILE STRENGTH (ISO 37)	MPa	12.5 Min	16.4
ELONGATION @ BREAK (ISO 37)	%	250 Min	387
Heat Aged (7 days @ 70°C)			
ISO 188			
HARDNESS CHANGE	IRHD	-0 to +10	+3
TENSILE STRENGTH CHANGE	%	-10 Max	+5
ELONGATION @ BREAK CHANGE	%	-35 Max	-15
Compression Set (24 Hours @ 70°C)			
ISO 815-1			
COMPRESSION SET	%	20 Max	17
Fluid Resistance (22 Hours @ 40°C)			
ISO 1817 in Liquid B			
VOLUME CHANGE	%	+25 Max	+20
Low Temperature			
BS903 Part A13 using Ethyl Alcohol/CO ₂ Cooling Medium @ -20°C	MPa	70 Max	3
Corrosion Test (166 Hours @ 70°C)			
ISO 6505 Method A, Carbon Steel & Copper	n/a	No pitting of metal, no signs of adhesion or liquid exudation of the vulcanisates.	Pass

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