COMPOUND: C278 (ZM)
POLYMER TYPE: ACRYLONITRILE BUTADIENE (NITRILE) 60 (+/-5°)

BS2751 BA60 Specification

Description

A black Acrylonitrile Butadiene compound formulated and tested to BS2751 BA60.
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			
BS903 Part A2			
HARDNESS	°IRHD	56 to 65	62
TENSILE STRENGTH	MPa	8.4	17.2
ELONGATION @ BREAK	%	400 Min	469
Heat Aged (7 days@70°C)			
BS903 Part A19			
HARDNESS CHANGE	IRHD	-0 to +10	+2
TENISLE STRENGTH CHANGE	%	-10 Max	+3
ELONGATION @ BREAK CHANGE	%	-35 Max	-5
Compression Set (24 Hours@70°C)			
BS903 Part A6			
COMPRESSION SET	%	20 Max	8
Fluid Resistance (22 Hours@40°C)			
BS903 Part A16 in Liquid B			
VOLUME CHANGE	%	+25 Max	+20
Low Temperature			
BS903 Part A13 using Ethyl Alcohol/CO_2 Cooling Medium			
MODULUS @ -25°C	MPa	70 Max	6
Corrosion Test (166 Hours@70°C)			
BS903 Part A37 Method A, Carbon Steel & Copper	n/a	No pitting of metal, no signs of adhesion or liquid exudation of the vulcanisates.	Pass