

COMPOUND: E113 (CO)
POLYMER TYPE: 30H EPDM72 (+/-5°)

Physical Properties

Property	Test Method	Units	Typical Values
HARDNESS	ISO 48	°IRHD	73
TENSILE STRENGTH	ISO 37	MPa	9.6
MODULUS @ 100%	ISO 37	MPa	8.5
ELONGATION @ BREAK	ISO 37	%	107
TEAR STRENGTH	ISO 34	N/mm	12.24
SPECIFIC GRAVITY	ISO 2781	g/cm3	1.04
MOULDING SHRINKAGE			Standard

Description

An EPDM compound developed by BNFL/RAPRA Technology for use in radioactive and corrosive areas of chemical plant operating within the nuclear industry. It is suitable for use in the presence of inorganic acid (nitric acid) but is not suitable for high levels of solvent exposure.

AIR-AGEING

Property (After 168 Hours @ 100°C)	Test Standard	Units	Typical Values
HARDNESS CHANGE	ISO 188	°IRHD	+0
TENSILE CHANGE	ISO 188	%	+21
ELONGATION CHANGE	ISO 188	%	+2.8

Property (After 336 Hours @ 100°C)	Test Standard	Units	Typical Values
HARDNESS CHANGE	ISO 188	°IRHD	+3
TENSILE CHANGE	ISO 188	%	-32.7
ELONGATION CHANGE	ISO 188	%	-30.8



MATERIAL TEST DATA SHEET
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ABSORPTION TEST

Property (After 168 Hours @ 100°C)	Test Standard	Units	Typical Values
DISTILLED WATER	ISO 1817		
VOLUME CHANGE		%	2.1
HARDNESS CHANGE		°IRHD	7