

Nickel Graphite Loaded EPDM

Moulding grade conductive EPDM elastomer loaded with nickel graphite filler is dark grey in colour and is specially compounded to give high EMC performance and excellent IP sealing.

EPDM material offers resistance to nuclear, biological and chemical warfare (NBC) and phosphate ester and polyglycol based fluids.

Physical Properties

	Test Methods	Typical Values
Hardness	ASTM D-2240	90±5 Shore A
Specific Gravity	ASTM D-792	2.6 g/cc
Tensile Strength	ASTM D-412	1.60 MPa minimum
Elongation	ASTM D-412	90% minimum
Compression Set (72 hours @ 100°C)	ASTM D-395	40% maximum

Electrical Properties

	Test Methods	Typical Values
Volume Resistivity	Mil-G-83528	0.5 Ω/cm max

Shielding Effectiveness (Mil-G-83258) dB (Mil Std 285)

Frequency	Attenuation	Field
100MHZ	95	E
500MHZ	90	E
2GHZ	85	P
10GHZ	85	P

