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Metal Detectable Blue FDA EPDM Grade 164

Blue Metal Detectable FDA EPDM – 60 Shore

Property	Detail
Material Type	100% EPDM rubber compound, metal detectable
Colour	Blue
Hardness	60° Shore A (nominal)
Approvals	FDA 21 CFR 177.2600 | EU 1935/2004 compliant
Metal Detectable	Pass

Technical Data

Property	Test Method	Units	Typical Value
Specific Gravity	DIN 53508		1.30 ±0.05
Hardness	DIN 53505	Shore A	60 ±5
Tensile Strength (min)	DIN 53504	kg/cm^2	50
Elongation at Break (min)	DIN 53504	%	300
Compression Set max (70°C/24hr/25% set)	DIN 53517	%	40
Tear Resistance - Angular (min)	DIN 53515	kg/cm	18
Polymer Content (EPDM)		%	100

Heat Ageing (72hr at 70°C)	ASTM D573		
Hardness change (max)		pts	+5 max
Tensile Strength change		%	+10 / -10
Elongation at Break change		%	+10 / -20
Volume Swell (70°C/72hr)	ASTM D471		
IRM Oil No.901		%	Not Recommended
IRM Oil No.902		%	Not Recommended
IRM Oil No.903		%	Not Recommended
Chemical Resistance - Ozone	ASTM D1149		Very Good
Chemical Resistance - Dilute Acids & Bases			Very Good
Chemical Resistance - Concentrated Acids & Bases			Good
Chemical Resistance - Oils			Not Recommended
Chemical Resistance - Solvents			Not Recommended
Temperature Range		°C	-25 to +140
Colour			Blue

The above figures are average values and should be considered as guidelines not specifications. While reasonable care has been taken to ensure that this data is representative, we do not warrant or otherwise guarantee, expressly or impliedly, the suitability, accuracy, reliability or completeness of the information. We recommend evaluation prior to use to ascertain the suitability of the material for the application.