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Viton® B Rubber 70° shore Grade 281

Black High Temperature Viton B Rubber (FKM)

Property	Detail
Material Type	Viton B fluoroelastomer rubber compound (FKM)
Colour	Black
Hardness	70° Shore A (nominal)

Technical Data

Property	Test Method	Units	Typical Value
Specific Gravity	DIN 53508		1.95 ±0.05
Hardness	DIN 53505	Shore A	70 ±5
Tensile Strength	DIN 53504	kg/cm^2	50
Elongation at Break (min)	DIN 53504	%	250
Compression Set max (150°C/24hr/25% set)	DIN 53517	%	40
Antistatic Characteristic	ASTM D257	ohms	10^6
Heat Ageing (72hr at 150°C)	ASTM D573		
Hardness change (max)		pts	+5
Tensile Strength change		%	+10 / -10

Elongation at Break change		%	+15 / -15
Volume Swell (150°C/24hr)	ASTM D471		
IRM Oil No.901		%	-6
IRM Oil No.902		%	-1
IRM Oil No.903		%	+3
Chemical Resistance - Ozone	ASTM D1149		Excellent
Chemical Resistance - Dilute Acids & Bases			Excellent
Chemical Resistance - Concentrated Acids & Bases			Excellent
Chemical Resistance - Oils			Very Good
Chemical Resistance - Solvents			Very Good
Temperature Range		°C	-30 to +300
Colour			Black

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.