

Material data sheet

FFKM chemfit K09LT

Description: This black material has been developed for low temperature applications. It can be used in a temperature range from -45°C to + 240°C and has similar chemical resistance to that of PTFE, but with elastomeric properties comparable to standard fluorocarbon rubbers.

colour	black	Curing system	peroxydisch
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Typical physical properties:

property	Typical values	Test Standard
Hardness (°IRHD) 78 ISO 48	75	ISO 48
Tensile Strength (MPa)	9,7	ISO 37
Modulus bei 100% (MPa)	3,1	ISO 37
Elongation @ Break (%)	280	ISO 37
Tear Strength (N/mm)	12,4	ISO 34
Specific Gravity (g/cm ³)	1,99	ISO 2781
Compression Set Value in Air, 25% Strain, 24 Hrs, 204°C (%)	19,9	ISO 815
TR10 Wert (°C)	-32	ISO 2921

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Chemical resistance:

Chemical Group	Rating	Chemical Group	Rating	Chemical Group	Rating
Aromatics	1	Amines	1	Propylene Oxide	1
Acids	1	Ethers	1	Steam	1
Alkalis	1	Ethylene Oxides	1	Hotwater	1
Alcohols	1	Esters	1	Strong Oxidisers	1
Aldehydes	1	Ketones	1		

= suitable, little or no effect; 2 = minor or moderate effect, not maximum resistance; 3 = moderate to severe effect – may be useful in some limited applications 4 = unsuitable and not recommended – severe effect

For further information please contact meweo

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