

# Material data sheet

# FFKM **chemfit** K61

**Description:** This white material has been developed for use in the chemical processing industry, and for a range of potent active pharmaceutical ingredients and aggressive cleaning agents. Chemfit K61 is designed to meet the requirements of FDA regulations and intended for repeated use in food processing equipment and contact with food. Service temperatures -15°C to 260°C.

colour	white	Curing system
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## Typical physical properties:

Property	Typical values	Test Standard
Hardness (°IRHD)	75	ISO 48
Tensile Strength (MPa)	11,6	ISO 37
Modulus @ 100% (MPa)	6,4	ISO 37
Elongation @ Break (%)	178	ISO 37
Tear Strength (N/mm)	19,7	ISO 34
Specific Gravity (g/cm <sup>3</sup> )	2,4	ISO 2781
TR 10 value (°C)	-2	ISO 2921
Compression Set Value in Air, 25% Strain, 24 Hrs, 204°C (%)	18	ISO 815
Compression Set Value in Air, 25% Strain, 72 Hrs, 204°C (%)	25	ISO 815

The properties given on this data sheet is derived from test carried out by meweo and / or its connected suppliers. They should not be regarded as specifications, but only as typical properties of the material described. It is intended for use by persons having technical skills and understanding of the seal and gasket design. Since the conditions of the use are outside our control, nor have we designed the product shape, we can make no warranties, express or implied and assume no liability in connection with any use of this information

## Chemical resistance:

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

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

## Approvals & Certificates:

**FDA** in compliance with No. CFR 177.2600 for food contact

**EG 1935/2004** in compliance with EU 1935/2004

**3A Sanitary Standard No 18-03 Class I**

**EU 2023/2006 (GMP) konform**

**USP Class VI Chapter 87 and 88**

**ADI free** - This material is free of animal derived ingredients - **BSE / TSE free**

**CIP / SIP tested**

For further information please contact meweo

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