

# M SEALS FCPU-N93

FDA compliant Polyurethane



MATERIAL DATA SHEET (Version 6.0 – 05.2022 - CATS)



FDA compliant



ADI FREE

## Description

M Seals material FCPU-N95 is an FDA Compliant polyurethane material that is natural/clear in colour. The material has been independently tested by AKRON Polymer laboratories against FDA CFR 177.2600 requirements in both N-hexane and Distilled Water and was approved for applications in dry, aqueous and fatty foodstuffs.

FCPU-N95 a good choice for seals and other parts which may require a polyurethane material that is natural/clear in colour to work in food and beverage applications. FCPU production is by demand only, so minimum order quantities will apply.

## Physical Properties

Property	Test method	Unit	Typical value
Colour			Natural/Clear
Density	ISO 1183	g/cm <sup>3</sup>	1.10
Hardness	ISO 868	Shore A	93 (+/-2)
Tensile Strength	DIN 53504	MPa	≥40
Elongation at break	DIN 53504	%	≥460
Modulus 100%	DIN 53504	Mpa	≥10
Compression set (24 Hours @ 70°C – 25%)	ISO 815	%	≤31
Minimum service temperature		°C	-20
Maximum service temperature		°C	+100

## Main Characteristics

- CFR 177.2600 FDA Compliance
- ADI free
- Natural/Clear in colour

## Typical Products

- DIN 11851 D-Seals
- Static Seals & O-Rings
- Depositor seals

Tel: 0044 (0) 114 243 2777 . Fax: 0044 (0) 114 242 2300 . Mail: [sales.esd@m-seals.co.uk](mailto:sales.esd@m-seals.co.uk) . Web: [www.m-seals.com](http://www.m-seals.com)

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