

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 ³	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 . Web: www.m-seals.com

M Seals believes that the information above is an accurate description of the typical characteristics and/or uses of the product or products, however M Seals makes no warranty, expressed or implied, that parts manufactured from this / and/or any other material will perform satisfactorily in the customers application. It is the customers responsibility to thoroughly test products in their specific application to determine performance, efficiency and safety for each end-use product, device or application. The information and data contained herein are based on standard test pieces according to the corresponding ISO, DIN & ASTM standards and cannot be directly related to finished seals, gaskets or other sealing products and should be used only as a general guide.