

Celova® M280R-G

Commodity Name:	Microfibrillated Cellulose
CAS No:	65996-61-4 (Cellulose pulp)
HS Code:	4703.2900
Synonyms:	Cellulose Microfibrils

Celova® Microfibrillated Cellulose (MFC) is a natural, sustainable, and biodegradable gel-like material derived from cellulose pulp through a purely mechanical process (patent-pending). Its unique properties enhance product performance, add multifunctional benefits, and improve processing efficiency, all while serving as a natural alternative to synthetic ingredients.

With a 3% MFC content and the highest degree of fibrillation, the Celova® M280R-G is optimized for demanding technical applications, including coatings and membranes, where superior material performance and functional enhancement are required.

Technical Specifications			
Parameter	Range	Unit	Method
Form	gel	-	Internal method
Color	white to off white	-	Internal method
MFC content	2.5 – 3.5	%	Internal method
pH	4 – 8	-	Internal method
Viscosity	20 – 44	Pas	Internal method
Particle length, D ₅₀ (dispersed in water)	6 - 9	µm	ISO 13322-2:2006-11

Storage Conditions	
Storage	Store in a dry, cool place but do not freeze (5-15°C).
Shelf Life	Up to 6 months from the date of production in original, sealed package.

Packaging Type	
Samples	500ml / 1000ml bottle
Commercial	30 kg PE drum / 1000 kg IBC container

Handling Instructions

Celova® Microfibrillated Cellulose Gel

Celova® gel products are aqueous suspensions of 3% microfibrillated cellulose and 97% water. After production the products are disinfected and have a shelf-life of 6 months in their original, sealed container. To preserve the naturality of Celova® products no biocides are added. That means any contamination can lead to microbial growth. To ensure the quality over time certain rules apply for handling.

Inspect seals upon material reception to ensure containers have not been opened. Report issues promptly!

Contamination Risks:



Opening of original,
sealed containers



Taking samples



Container left open
after use



Transfer of product
into smaller containers



Condensation
water

Handling Recommendations:



Mix before use to
homogenize
(paddle mixer,
agitator,
dispersion disk)



Disinfect any tools
or containers with
70% Ethanol



Store at ambient
temperatures



Do not store
in direct sunlight



Ideally use the
whole container at
once

If you have further enquiries please do not hesitate to contact the Weidmann Fiber Technology Team under:
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