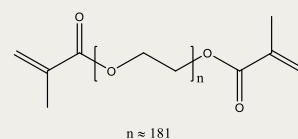


Product Information
VISIONER® PEG 8000 DMA W


Polyethyleneglycol 8000–dimethacrylate 50 % in water

CAS-No.: 25852-47-5

Quality on supply

Appearance: at room temperature clear, colorless to yellowish liquid

Odor: ester-like

Standard specification

		Test Method	
Degree of conversion	min. 90 mol.-% (ester content)	M94	(NMR)
Acid content	max. 1.0 %	M4	(acid–base titr., calculated as GMAA)
Water content	50 ± 2 %	M3	(according to K. Fischer)
Color	max. 300	M5	(Pt–Co)
Stabilization	300 ± 30 ppm MEHQ	M1–1	(HPLC)

Following data are not part of the product specification but serve as benchmarks.

Physical Data

Molecular weight	~ 8100 g/mol
Density	~ 1.09 g/cm ³ (50 °C)
Refractive index	~ 1.41 (20 °C)
Boiling temperature	app. 100 °C
Melting temperature	< 2 °C
Viscosity	~ 450 mPa·s (15 °C) ~ 370 mPa·s (20 °C) ~ 320 mPa·s (23 °C) ~ 290 mPa·s (25 °C) ~ 240 mPa·s (30 °C)

Registration

REACH	registered
included in TSCA	+

General Hints

For information about health protection and shipment see our Safety Data Sheet

Application

Crosslinking agent for free radical polymerization. Manufacturing of hydrogels. In typical applications for hydrogels, e.g. sealing of porous materials or manufacturing of porous molds.

Shelf life of the standard stabilized product: 6 months at max. 30 °C from date of delivery

Ref.-No.: VISIOMER® PEG 8000 DMA W / VM 043-e - 04/2017

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

* = registered trademark

Evonik Operations GmbH
Specialty Methacrylates
Kirschenallee
64293 Darmstadt
Germany

visiomer@evonik.com
www.visiomer.com
www.evonik.com