

1000/1300/2000/5000 cSt - 10/15 cc - Vial, Glass Syringe, Plastic Syringe (dispenser), Plastic Syringe (refill)



Large Box for Plastic Syringe

Small Box for Vials and Glass Syringe

Micromed Silicones Assortment

The Micromed PDMS Silicone Oils are treated with 10 microns filtration plot; their chains are non-polar neutral with a volatility less than 0.1%.

The Micromed PDMS1000 is a basic silicone characterized by a distribution of lengths of chains with a standard deviation less than 0.02% at a typical viscosity of 1000 centiStokes; its braking index is 1.

The same silicon is supplied in viscosity of 1300 centiStokes (PDMS1300) with the same characteristics but with a braking index 4% higher.

The PDMS2000 (2000 cSt) has a braking index 15% higher and is suitable for cases where the emulsion with the proteic liquids present in the eye after vitrectomy has a chance to happen without bumps on the retinal surface induced by surgery.

The PDMS 5000 (5000 cSt) has instead a braking index 70% higher and therefore they are indicated in those cases where manipulation of the retina is relevant, that is in cases of strong treatments in cantilever fashion on large encircling and for more than 40% of the retinal surface or in cases of retinotomy made in presence of encircling or wide retractions.

Application

Silicones are used in the medical field from about fifty years. No other material has proven to be so biocompatible, reliable, flexible and easily sterilizable such as silicone. The PDMS fluid is indicated and recommended in all the world's Pharmacopeia for use as medical device. They are odorless and tasteless, do not support the growth of bacteria and does not stain or corrode other materials, but above all, show a superior compatibility with human tissues and body fluids. The recommended sterilization processes are those performed with dry heat or by irradiation with gamma rays. One of the most important class of applications is that in the ophthalmologic field as long term buffering in place of the vitreous humor, in surgical treatment of retinal detachment.

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TECHNICAL DATA	
Silicone Oil	Polydimethylsiloxane
Formula	$[-Si(CH_3)_2O-]_n$
Viscosity	1000/1300/2000/5000 cSt
Refractive Index	1.405 @24°C
Density	0.965 gr/ml @24°C
Appearance	Clear, colorless
Solubility in water	Not mixable
Sterilization	See kind of Packaging

PRODUCT LINE AND CODES								
	PDMS		PDMS		PDMS		PDMS	
	1000 cSt		1300 cSt		2000 cSt		5000 cSt	
Vial (Package 1)	MMD-755	10cc	MMD-731	10cc	MMD-791	10cc	MMD-771	10cc
	MMD-758	15cc					MMD-772	15cc
Glass Syringe (Package 2)	MMD-665	10cc	MMD-686	10cc	MMD-696	10cc	MMD-675	10cc
Plastic Syringe (dispenser) (Package 3)	MMD-655	10cc	MMD-683	10cc	MMD-693	10cc	MMD-671	10cc
	MMD-658	15cc					MMD-672	15cc
Plastic Syringe (refill) (Package 4)	MMD-630	10cc	MMD-680	10cc	MMD-690	10cc	MMD-640	10cc

KIND OF PACKAGING		
Package 1	<i>Vial</i>	Vial filled with 10/15 cc Silicone Oil 1000/1300/2000/5000/5700 cSt Vial and its content sterilized at Dry Heat (3h @ 170°C) Envelope content (Precharged Vial) sterilized at Ethylene Oxide Small Carton Box (90x130x35)mm
Package 2	<i>Glass Syringe</i>	10ml Glass Syringe filled with 10 cc Silicone Oil 1000/1300/2000/5000 cSt Syringe and its content sterilized at Dry Heat (3h @ 170°C) Envelope content (Precharged Glass Syringe, luerlock adapter, 20G 7mm blunt cannula) sterilized at Ethylene Oxide Small Carton Box (90x130x35)mm
Package 3	<i>Plastic Syringe (Dispenser)</i>	30ml Plastic Syringe filled with 10/15 cc Silicone Oil 1000/1300/2000/5000 cSt Envelope content (Precharged Plastic Syringe with dispenser, 150cm infusion line with male luerlock connector, 20G 7mm blunt cannula) sterilized at Gamma Radiation Large Carton Box (120x170x40)mm
Package 4	<i>Plastic Syringe (Refill)</i>	30ml Plastic Syringe filled with 10 cc Silicone Oil 1000/1300/2000/5000 cSt Envelope content (Precharged Plastic Syringe, three-way cock) sterilized at Gamma Radiation Large Carton Box (120x170x40)mm