

Dow Corning[®] OE-6662 Optical Resin

FEATURES

- High purity
- High transparency
- High refractive index
- Hard & rigid

BENEFITS

- Excellent thermal stability

COMPOSITION

- Polydimethylsiloxane

APPLICATIONS

- Compatible with commercially available equipment
- Dispensing or molding

TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

Property	Unit	Result
Viscosity (Part A)	cP	12000
	mPa-sec	12000
	Pa-sec	12
Viscosity (Part B)	cP	3000
	mPa-sec	3000
	Pa-sec	3
Viscosity (Mixed)	cP	4000
	mPa-sec	4000
	Pa-sec	4
Heat Cure Time @ 150°C	minutes	60
Durometer Shore D	-	65
Unprimed Adhesion - Die Shear (Al)	psi	850
	MPa	5.9
	N/cm2	590
Refractive Index	-	1.53
Transparency at 450 nm, 1 mm thick	%	100
Tensile Strength	psi	1090
	MPa	7.5
	kg/cm2	77
Elongation	%	55

DESCRIPTION

Dow Corning[®] brand Optical Molding materials are designed to meet the challenging needs of the Optical market; high purity, moisture resistance, thermal stability and optical transmittance. Injection moldable optical silicone materials from Dow Corning are two-part, heat-cure silicone resins that are especially suitable for precision molding applications, as micrometer-sized

features can be replicated on the lens surface to direct light output. Silicone optical molding materials can be molded into complex shapes, withstand heat and resist yellowing better than plastic, and are lighter than glass. Parts have been fabricated using a variety of techniques, including injection molding, casting or cavity molding, transfer molding, and others.

**HANDLING
PRECAUTIONS
PRODUCT SAFETY
INFORMATION REQUIRED FOR
SAFE USE IS NOT INCLUDED IN
THIS DOCUMENT. BEFORE
HANDLING, READ PRODUCT
AND MATERIAL SAFETY DATA
SHEETS AND CONTAINER
LABELS FOR SAFE USE,
PHYSICAL AND HEALTH
HAZARD INFORMATION. THE
MATERIAL SAFETY DATA
SHEET IS AVAILABLE ON THE
DOW CORNING WEB SITE AT
DOWCORNING.COM, OR FROM
YOUR DOW CORNING
REPRESENTATIVE, OR
DISTRIBUTOR, OR BY CALLING
YOUR GLOBAL DOW CORNING
CONNECTION.**

USABLE LIFE AND STORAGE

Shelf life is indicated by the "Use Before" date found on the product label. Dow Corning two-part products should be stored at or below 25°C (77°F). Containers should be kept tightly closed at all times to extend shelf life. Check the product label for specific storage conditions.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

HEALTH AND ENVIRONMENTAL INFORMATION

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our Web site, dowcorning.com or consult your local Dow Corning representative.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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CONSEQUENTIAL DAMAGES.**

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