



LED Materials ***Dow Corning*<sup>®</sup> OE-6520 Optical Encapsulant**

**Colorless 1:1 mix two part silicone elastomer**

**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.

<b>Property</b>	<b>Unit</b>	<b>Value</b>
Viscosity (Part A)	cP	10300
	mPa-sec	10300
	Pa-sec	10.3
Viscosity (Part B)	cP	200
	mPa-sec	200
	Pa-sec	0.2
Viscosity (Mixed)	cP	1050
	mPa-sec	1050
	Pa-sec	1
Working Time at 25°C (Pot Life - hours)	hr	8
Heat Cure Time @ 150°C	minutes	60
Specific Gravity (Cured)	-	1.14
Durometer Shore A (JIS)	-	24
Tensile Strength	psi	100
	MPa	0.7
	kg/cm <sup>2</sup>	7
Elongation	%	125
Refractive Index	-	1.54
Transparency at 450 nm, 1 mm thick	%	100
Impurity (Na <sup>+</sup> )	ppm	0.1
Impurity (K <sup>+</sup> )	ppm	0.2
Impurity (Cl <sup>-</sup> )	ppm	1
Shelf Life @ 35°C	months	6

## **STORAGE AND SHELF LIFE**

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.

**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 WEBSITE AT WWW.DOWCORNING.COM, OR FROM YOUR DOW CORNING REPRESENTATIVE, OR BY CALLING YOUR GLOBAL DOW CORNING CONNECTION.**

## **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 website, [www.dowcorning.com](http://www.dowcorning.com) or consult your local Dow Corning representative.

## **LIMITATIONS**

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

## **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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**DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.**

## **For More Information**

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