

## Novum Glass Solid Soda-lime Technical Series Glass Microspheres

Category : Ceramic , Glass

**Material Notes:**

Solid soda-lime glass microspheres in colorless powder form. Technical Series Microspheres are solid glass microspheres that have a narrow particle size distribution. Used for chromatography, column packing, geotextile testing, size standards, filtration, calibration, controlling a consistent gap in adhesive bonding, and many other applications. Information provided by Novum Glass, LLC.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Novum-Glass-Solid-Soda-lime-Technical-Series-Glass-Microspheres.php](http://www.lookpolymers.com/polymer_Novum-Glass-Solid-Soda-lime-Technical-Series-Glass-Microspheres.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.40 - 2.60 g/cc	2.40 - 2.60 g/cc	

Mechanical Properties	Metric	English	Comments
Compressive Strength	276 MPa	40000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	9.00 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	5.00 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
	@Temperature 30.0 - 300 $^\circ\text{C}$	@Temperature 86.0 - 572 $^\circ\text{F}$	
Softening Point	650 $^\circ\text{C}$	1200 $^\circ\text{F}$	

Optical Properties	Metric	English	Comments
Refractive Index	1.50 - 1.52	1.50 - 1.52	$n_{\text{D}}$

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	0.0 - 5 %	0.0 - 5 %	
CaO	6 - 15 %	6 - 15 %	
Fe <sub>2</sub> O <sub>3</sub>	$\leq 1$ %	$\leq 1$ %	
MgO	1 - 5 %	1 - 5 %	
Na <sub>2</sub> O	10 - 20 %	10 - 20 %	
SiO <sub>2</sub>	67 - 75 %	67 - 75 %	

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