



## LANGFANG TENROADS GLASS PRODUCTS CO.,LTD.

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### MATERIAL COMPOSITION SHEET

Glass Beads H.S.CODE:70182000.90

<b>Chemical Name &amp; Synonyms</b>	Soda-lime Silicate-Glass			
<b>Chemical Family</b>	Silicate glass without free silica			
<b>Formula</b>	SiO <sub>2</sub>	71-73%	Na <sub>2</sub> O	13-15%
	MgO	3-5%	CaO	8-10%
	Al <sub>2</sub> O <sub>3</sub>	0.5-2%	K <sub>2</sub> O	0.2-0.6%
<b>Physical Properties</b>				
Boiling PointN/A		Vapour PressureN/A		
Percent Volatile by VolumeNil		Vapour DensityN/A		
Evaporation RateN/A		OdourNil		
Refractive Index1.52		Oil Absorption (ASTM)17		
Solubility in WaterNot Soluble		Mohs6		
Absolute Specific Gravity(H <sub>2</sub> O=1)2.46		Knoop Load 100:515kg/mm <sup>2</sup>		
Absolute Specific Gravity 1.6kg/dm <sup>3</sup>		Hardness DPH Load 50kg:540kg/mm <sup>2</sup>		
Specific Heat Average 0.18kcal/mh°C		Dielectric Strength 4,500kv/cm		
Dielectric Constant 7.2(1MC at 20°C)		Expansion Coefficient 8.5*10-6		

#### Physical Properties

Hardness	Specific Gravity	Bulk Density	Shape	Free Silica	Free Iron	Colour
6 - 7 Mohs	2.45—2.50 g/cm <sup>3</sup>	≈ 1500kg/m <sup>3</sup>	Spherical	NIL	< 1%	Clear