

## Chosun Refractories CRAG-L42 Shroud Nozzle

Category : Ceramic

**Material Notes:**

Information provided by Chosun Refractories via Korea Institute of Ceramic Engineering and Technology (KICET).

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Chosun-Refractories-CRAG-L42-Shroud-Nozzle.php](http://www.lookpolymers.com/polymer_Chosun-Refractories-CRAG-L42-Shroud-Nozzle.php)

Physical Properties	Metric	English	Comments
Bulk Density	2.22 g/cc	0.0802 lb/in <sup>3</sup>	
Porosity	16.2 %	16.2 %	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.005886 - 0.006867 GPa  @Temperature 1400 °C	0.8537 - 0.9960 ksi  @Temperature 2550 °F	
Compressive Strength	25.5 MPa	3700 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
CTE, linear	2.10 μm/m-°C  @Temperature 1000 °C	1.17 μin/in-°F  @Temperature 1830 °F	

Component Elements Properties	Metric	English	Comments
Al2O3	41 %	41 %	
SiO2	25 %	25 %	
ZrO2	3.0 %	3.0 %	

Descriptive Properties	Value	Comments
Chemical Analysis (%), FC+SiC	29+1	
Remarks	Corrosion resistance, High spalling resistance	

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