



## GULF PERLITE FOUNDRY ADDITIVES



Perlite is a siliceous volcanic rock with rhyolitic mineral as its main component. At molten metal temperatures, the Perlite granules expand and form a low-density, high-volume crust which mops up the slag, which can then be lifted off the metal with ease leaving behind a clean surface.

### PROPERTIES:

- Perlite Easily captures slags and floating agglomerates



- Neutral against refractory coatings
- **Low degree of spurting**



## GENERAL CHARACTERISTICS:

### Perlite Typical Chemical Analysis (Average):

- SiO <sub>2</sub>	%	73
- Al <sub>2</sub> O <sub>3</sub>	%	13
- Na <sub>2</sub> O	%	3.8
- K <sub>2</sub> O	%	3.0
- CaO	%	1.4
- Fe <sub>2</sub> O <sub>3</sub>	%	0.8
- MgO	%	0.6
- L.O.I	%	2.7

### Mean Technical Characteristics (Average):

Color:	Grey
<b>Density When Packed:</b>	<b>1,100 - 1,200 Kg / m<sup>3</sup></b>
<b>Expansion Rate:</b>	<b>15</b>

### Particle Size Distribution:

Gulf Perlite Foundry Grades	Particle Size Distribution*	
	Min (mm)	Max (mm)
<i>Slag-40</i>	1.00	4.00
<i>Slag-30</i>	0.841	2.36
<i>Slag-20</i>	0.595	1.40
<i>Slag-10</i>	0.074	0.595

\* Lower and upper thresholds 10% max (by weight)

### Packaging:

Available in waterproof 25 KG small bags and bulk bags, and/or as per order