

## KERPHALITE KF

Foundry sand

Kerphalite™ KF is a mineral product based on **andalusite**.

Kerphalite™ KF shows **high refractoriness** and **low thermal expansion** and therefore it is used as a foundry sand to prevent **veining** in Iron and Steel casting.

Due to the **low density** and total **compatibility with silica sand**, Kerphalite™ KF can be used pure or blended to improve the quality of any type of casting.

Kerphalite™ is suitable for all molding processes: **Green Sand**, **Coated Sand**, **Chemically Bonded** (whatever the binding system) and **Precision Castings**.

### ➤ *Chemical analysis and sizing:*

	<i>Size</i>	<i>AFS</i>	<i>Al<sub>2</sub>O<sub>3</sub></i>	<i>SiO<sub>2</sub></i>	<i>Fe<sub>2</sub>O<sub>3</sub></i>	<i>Na<sub>2</sub>O</i>	<i>K<sub>2</sub>O</i>
Kerphalite KF	100/400 μ	60	60.8%	38.1%	0.45%	0.10%	0.15%
	200/400 μ	50					
	100/300 μ	70					
	100/200 μ	100					

### ➤ *Physical characteristics:*

Specific gravity :	3.1 g/cm <sup>3</sup>
Bulk density :	1.7 g/cm <sup>3</sup>
Refractoriness (Seger Cone):	38 (1840°C)



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