

SPINEL

Characteristics

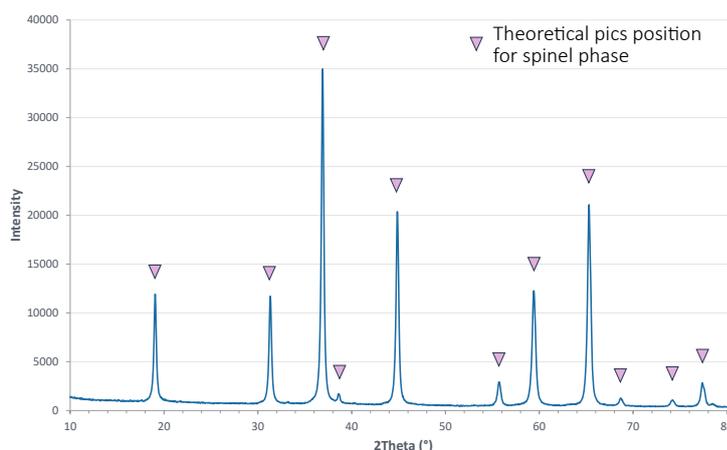
Standard Spinel product (Typical values)	S25CR	S30CR	
Chemical Composition	MgAl ₂ O ₄		
Crystalline phase (%)	≥ 99% Spinel		
Corundum	≤ 0.5%		
Periclase	≤ 0.5%		
Specific Surface Area (m ² /g) BET	22	27	
Particle Size Distribution (µm)	d ₅₀ 0.25		
Elemental Analysis (ppm) ICP	S	60	500
	Fe	≤ 10	≤ 15
	Na	≤ 50	≤ 70
	Si	≤ 30	≤ 30
	Ca	≤ 45	≤ 60
	K	≤ 50	≤ 200
Processability	Adapted to your ceramic process		

> Spinel product range **characteristics:**

- Controlled in particle size and size distribution
- High chemical purity
- Accurately controlled in crystallographic phase

The best choice between our two spinel standard products strongly depends on your ceramic process.

> XRD spectrum - S30CR



Applications

> The main characteristics of our Spinel products bring **advanced transparency** with a low scattering loss, without any coloration or defect (black or white spots), and **high mechanical properties**.



Possibility to customize the Spinel SSA and chemical composition: Al/Mg stoichiometry and Co, Mn and Fe doping.

Applications in catalysis and luxury.



Your solution partner for fine minerals



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