

SPINEL

PURITY - PSD CONTROL - TRANSPARENCY

Characteristics

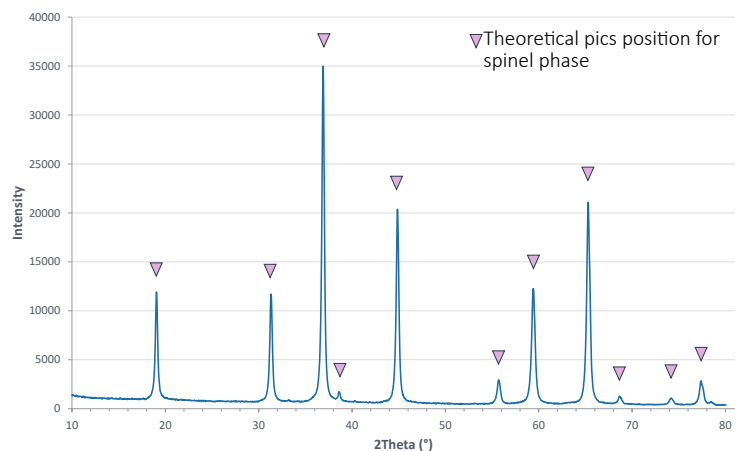
Standard Spinel product (Typical values)		S15CR	S30CR
Chemical Composition		$MgAl_2O_4$	
Crystalline phase (%)		≥ 99% Spinel	
Corundum		≤ 0.5%	
Periclase		≤ 0.5%	
Specific Surface Area (m ² /g) BET		14-17	27
Particle Size Distribution (μm)		d ₅₀ 0.4-0.6	0.25
Elemental Analysis (ppm) ICP	S	≤ 50	500
	Fe	≤ 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. S15CR is suited for feedstocks and tape casting, and is also available in spray-dried form

> 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**.



PRODUCT DESIGN

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

Applications in catalysis and luxury.



With great powder comes great responsibility



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