

Durle® JF-10 Modified Ceramic Powder

Product Durle® JF-10 modified ceramic powder is produced by smelting aluminum oxide powder, high-alumina bauxite and other raw materials in high-temperature furnaces or through special process high-temperature calcination. It exhibits characteristics of high density, high strength, excellent thermal conductivity, superior thermal shock resistance, high insulation properties, as well as wear and corrosion resistance. JF-10 ceramic micropowder maintains high purity characteristics and serves as an essential raw material for high-tech industrial products such as new refractory materials & castables, ceramic abrasives, functional high-temperature coatings, and precision casting.

Key features include:

1. High alumina content: $\text{Al}_2\text{O}_3 > 97.0\%$
2. Superior wear resistance and corrosion resistance compared to similar products
3. Uniform particle size distribution reduces particle presence in coatings
4. Simple operation - can be directly ground with resin or water

Application Mainly used as a primer for water-based double-layer PTFE (polytetrafluoroethylene) non stick coatings to improve the wear resistance of the coating.

Product	Appearance:	White powder
Index	Particular Size:	$20 \mu\text{m} \leq D_{90} \leq 40 \mu\text{m}$
	Melting Point:	2050°C
	Flash Point:	Does not flash
	Ignition Point:	Non-ignitable

Method of application Mainly used as a primer for water-based double-layer PTFE (polytetrafluoroethylene) non stick coatings

Storage Store in a dry, well-ventilated place at temperatures between -5°C to 40°C, protected from direct sunlight. Keep tightly sealed. Shelf life: 24 months (unopened).

Packaging 25kg/bag

Discharge	Do not discharge it into the wastewater system, put it in a specific container for professional disposal.
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Emergency treatment	1. In case of leakage or spillage, collect it in a container and clean the ground pollutants with a cloth. 2. If this product accidentally come into contact with the eyes, rinse immediately with plenty of water for at least 15 minutes. If discomfort persists, seek medical attention immediately. 3. If this product comes into contact with the skin, wash with water and soap. Seek medical attention immediately if discomfort occurs. 4. If you accidentally inhale spray or gas in the oven, immediately transfer to a fresh air place, and then seek medical advice.
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