



NANOE UHTC datasheet

PRODUCT DESCRIPTION

Nanoe UHTC is a composite powder of ZrB₂, SiC and B₄C. It has been specifically developed for pressureless sintering. The powder is available as a binderless powder, a ready to press powder for isostatic or die pressing, and a feedstock for injection molding

PROPERTIES

Trade name	NANOE UHTC
Chemical composition	ZrB ₂ (77%), SiC (19%) and B ₄ C (4%)
Organics proportion _{wt %}	<1% (binderless), 3% (ready to press) and 16% (CIM feedstock)
Sintering conditions	2000°C – 2100°C under partial argon pressure (100mBar)
Sintered density	4,8 – 5 g.cm ³