

SIKA® Densitec H13 Eco

Indicative Product information



Silicon carbide ready-to-press granules for hot-pressing technical ceramics.

Densitec H13 Eco granules are spray dried granules, based on our standard black Sintex 13 for hot-pressing technical ceramics. The premix is doped with sintering additives, a low content of temporary binder and pressing aids, and is ready for direct hot-pressing or uniaxial pre-pressing and hot-pressing.

Packaging 15 kg plastic pails

Composition

	Sintering additives		Binder content (total organic)	Moisture content	SiC type
	Carbon	Boron	%	%	
Densitec H13 Eco	Carbon black	Boron carbide	approx. 2.0	approx. 0.6	Black Sintex 13

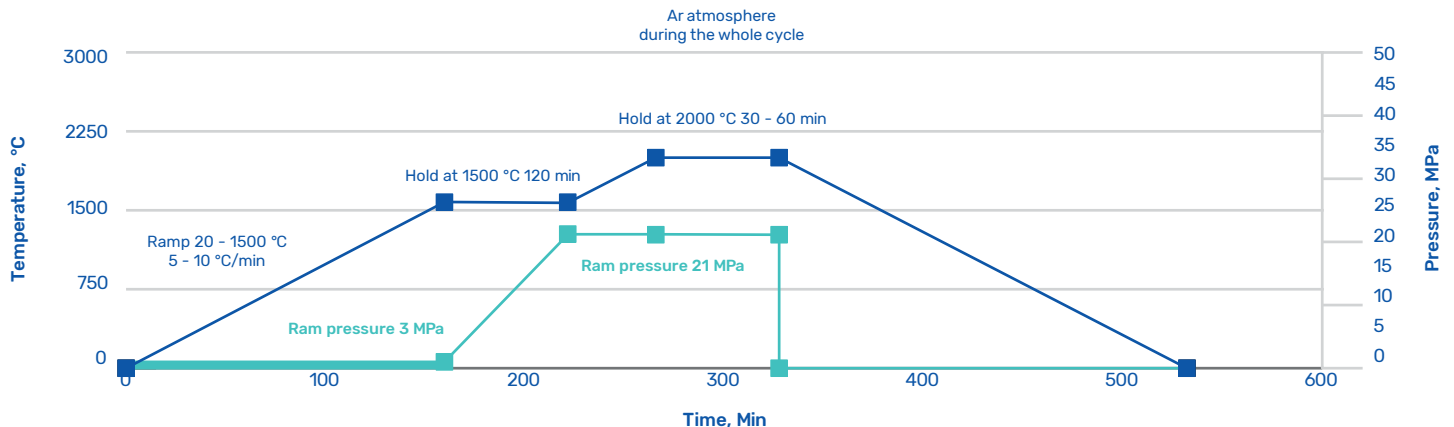
Typical physical properties of granules

	Size		Bulk density	Hall flowmeter	Appearance
	max	Average	g/cm ³	Sec / 25g	
Densitec H13 Eco	250	100	0.88	60	Dark color

Typical physical properties of sintered material

	Density	Microhardness HV 1000	Indentation fracture toughness, K _{IC}	Linear shrinkage	Bending strength
	g/cm ³	GPa	MPa/m	%	4 point MPa
Densitec H13 Eco	3.18	23	3.5	approx. 18	500

Typical Sintering Cycles for small parts



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