NEODYNAMIKH ΕΠΕ

Μηχανήματα Αμμοβολής Βαφής & Επιμετάλλωσης

THERMO OLIVINE
Technical Data

MATERIAL:

Olivine, Foundry sand

COLOR:

Pale green to Green

GRAIN SIZE (μM):
250-500, 500-1000, 1000-2000

PACKING:
In Big Bags on pallet

CERTIFICATION: ISO 9001:2008

Chemical Analysis (approx)		
Magnesia	MgO	45– 47 %
Silica	SiO2	42 – 44 %
Iron Oxide	Fe_2O_3	7,5 – 8,2 %
Lime	CaO	0,4 %
Alumina	Al_2O_3	0,3 %
Chrome Oxide	Cr_2O_3	0,4 %
Loss of ignition		0,8 – 1,5 %

Physical Properties	
Melting Point (°C)	1750
Initial Sintering (°C) (S.C. 18)	> 1430
Specific Gravity (g/cm^3)	3,3
Hardness (Mohs scale)	6,7
Packing Density (kgr/l)	1,85
ph value	9-9,5

Main Mineralogical Structure		
Forsterite	Mg_2SiO_4	80%

Application

ThermoSand has an uniform low thermal expansion (0,8% at 1300 ˚C) resulting in better casting accuracy and smoother surface. Its high heat absorption, conductivity and its consistent grain shape lead to an optimal porosity helping degasing during casting. Furthermore olivine does not contain free silica and is therefore the safest material for the workforce allowing the foundry to comply to the strictest health and safety regulations in casting.

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GREEK OLIVINE PRODUCTS

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