



EKOPONS NEVŞEHİR PUMICE STONE Technical Data Sheet

A. PHYSICAL PROPERTIES

Loose Moist Density	: 550 – 650 kg/m ³
Loose Dry Density	: 400 – 450 kg/m ³
True Specific Gravity	: 2.327 g/cm ³
Water Absorption	: 30-70 %
Porosity	: 45-90 %
Colour	: Light Gray and White
Hardness	: 5.5-6 on the Mohs scale
pH	: 5.5-6
Melting Point	: 1.240 °C
Specific Heat Capacity	: 0.24-0.28 kcal/kg-°C
Heat Conductance Value	: 0.08-0.20 (W/mK)
Sound Absorption	: 40-55 (dB)
Wet Shrinkage Value	: < 1 mm/m
Vapor Permeability Value	: 5-10

B. CHEMICAL ANALYSIS :

Silica (SiO ₂)	: 74.10 %
Alumina (Al ₂ O ₃)	: 13.45 %
Potassium Oxide (K ₂ O)	: 4.10 %
Sodium Oxide (Na ₂ O)	: 3.70 %
Iron Oxide (Fe ₂ O ₃)	: 1.40 %
Lime (CaO)	: 1.17 %
Magnesium (MgO)	: 0.35 %
Titanium Dioxide (TiO ₂)	: 0.07 %
Manganese Oxide (MnO)	: 0.07 %
Sulfur Trioxide (SO ₃)	: -
Phosphorus Dioxide (P ₂ O ₂)	: 0.05 %
Calcification Lost	: 1.54 %

The physical or chemical properties of Ekopons Madencilik Sanayi ve Dış Ticaret A.Ş. products represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice.

Technical data shown above are considered accurate and reliable; however, no guarantee is given nor intended.

EKOPONS MADENCİLİK SANAYİ VE DIŞ TİCARET A.Ş.

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