



EKOPONS KAYSERİ PUMICE STONE Technical Data Sheet

A. PHYSICAL PROPERTIES

Loose Pressed Density	: 500 – 650 kg/m ³
Loose Dry Density	: 300 – 400 kg/m ³
True Specific Gravity	: 2,06 g/cm ³
Water Absorption	: 48 %
Porosity	: 75 %
Colour	: Light Gray
Hardness	: 5-5,5 on the Mohs scale
pH	: 6
Melting Point	: 1.205 °C
Structural Alteration	: 820 °C
Specific Heat Capacity	: 0,243 kcal/kg-°C
Sound Insulation Coefficient	: 0,22
Sound Absorption	: 40-55 (dB)
Wet Shrinkage Value	: 0,04 mm/m
Frost Resistance	: 1,75%
Capillarity	: 25-28 m/h (Capillary water saturation coefficient)

B. CHEMICAL ANALYSIS :

Silica (SiO ₂)	: 66.80 - 68.50 %
Alumina (Al ₂ O ₃)	: 14.90 - 14.75 %
Potassium Oxide (K ₂ O)	: 2.75 %
Sodium Oxide (Na ₂ O)	: 4.10 - 3.95 %
Iron Oxide (Fe ₂ O ₃)	: 3.10 - 2.85 %
Lime (CaO)	: 2.90 – 2.95 %
Magnesium (MgO)	: 0.95 – 0.80 %
Titanium Dioxide (TiO ₂)	: 0.24 – 0.33 %
Manganese Oxide (MnO)	: 0.08 %
Sulfur Trioxide (SO ₃)	: -
Calcification Lost	: 2.39 – 4.15 %

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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