

Fillite EGP5 - RN

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SHORT DESCRIPTION OF THE PRODUCT:

Fillite EGP5 is a lightweight, spherical shaped, expanded glass particle with a closed surface and matrix core. Primarily used for weight reduction of materials Fillite EGP5 also imparts further benefits in many applications such as filler loading and improves rheological properties as a result of the shape and characteristics of the product.

TYPICAL CHEMICAL COMPOSITION

SiO ₂	69 - 73 %
Al ₂ O ₃	1 - 3 %
Na ₂ O	11.5 - 13.5 %
Fe ₂ O ₃	0.49 - 0.59 %
CaO	7.8 - 9.25 %
MgO	1.99 - 2.50 %
K ₂ O	0.99 - 1.20 %

TYPICAL SPECIFIC PRODUCT DATA:

Typical Particle size	0.25 – 0.80 mm
Particle Size Distribution:	
· Passing 800 µm sieve (ISO 787/7)	99 - 100 %
· Passing 500 µm sieve (ISO 787/7)	50 – 90 %
· Passing 100 µm sieve (ISO 787/7)	0.5 – 2.5 %
Moisture ex works (ISO 787/2)	<0.2 %

TYPICAL GENERAL PRODUCT DATA:

Loose bulk density (ISO 787/11)	0.25 - 0.35 g/cc
Specific gravity (ISO 787/10)	0.6 - 0.9 g/cc
) ≥ 2.9 N/mm ²
Crushing resistance) ≥ 420 psi

MAIN APPLICATIONS:

As a lightweight loose or bonded filler.

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