

DBS

Delithiated Beta Spodumene

SKU# 10004741

DESCRIPTION

DBS is an alumino-silicate feldspathic sand, a mixture of naturally occurring feldspar and silicates.

APPLICATIONS

DBS acts as a pozzolan and is used as a supplementary cementitious material in cement blends and concrete products. It is also used in construction fill, mine backfill, and manufactured aggregate materials applications.

CHEMICAL PROPERTIES (TYPICAL)

Component	% wt
Aluminosilicates (HAlSi_2O_6)	45 - 52
Quartz (SiO_2)	1 - 2
Feldspar (KAlSi_3O_8)	3 - 5
Calcium sulfate dehydrate ($\text{Ca}_2\text{SO}_4 \cdot \text{H}_2\text{O}$)	12 - 18
Limestone (CaCO_3)	1 - 3
Water	12.6 - 29.6

PHYSICAL PROPERTIES (TYPICAL)

Property	
Physical State	Wet Solid
Color	Grey
Bulk Density (Loose)	1200-1300 kg/m ³
Average Particle Size, microns	40 - 50
pH	6.0 - 8.5
D(10), microns	1.5 - 2.0
D(50), microns	15 - 25
D(90), microns	110 - 150

SHIPPING INFORMATION

Bulk shipments of up to 65 MT maximum per truck with double trailer.

SAFETY AND HANDLING INFORMATION

Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation. Avoid contact with skin and eyes. Use with local exhaust ventilation.

