

High active magnesium oxide

MagPro[®] 150 XP

Description

MagPro[®] 150 XP is a high active micronized magnesium oxide produced from one of the purest brucite deposits in the world. The product has a low level of iron oxide, impurities and volatiles. It is a product with uniform parameters within narrow limits and stability providing high quality over a wide range of industrial applications.

Application

MagPro[®] 150 XP is an effective scorch retardant and acts as an acid scavenger, curing agent and heat stabilizer in halogenated polymers. It is also a thickening agent for SMC and BMC composites, effective precipitation agent for hydrometallurgy, magnesium source for production of specialty glass, catalysts, fuel additives and other applications demanding low iron content and very high activity.

Properties

Parameter	Specification	Typical
Loss on ignition (950 °C), %	6.0–9.0	7.5
Loss free basis		
MgO, %, min	95.0	96.0
CaO, %, max	1.5	1.0
SiO ₂ , %, max	1.5	1.0
Fe ₂ O ₃ , %, max	0.05	0.04
*Cl ⁻ , %, max	0.01	0.001
*SO ₄ ²⁻ , %, max	0.01	0.001
Bulk density, kg/m ³ , min	350	450
Specific surface area, m ² /g, min	130	150
Median particle size D ₅₀ , microns	7.0–9.0	8.0
Sieve residue 45 microns, %, max	0.1	0.05
Sieve residue 140 microns, %, max	0	0
* measured on request		

Storage

Store product in a dry place. Shelf life is 12 months. Bag must be kept re-sealed if the content was not used entirely. Exposure to moisture will reduce the activity significantly.

Packing

Product is available in 20 kg FFS PE bags (840 kg per pallet), 1 kg pre-weighted EVA low melt (75°C) bags (500 kg per pallet) and 1 ton big-bags. Pallets are stretch-wrapped to keep product protected.

Safety

Non-hazardous; fire- and explosion-proof, non-toxic.

Transportation

Transported by all modes of transport in accordance with the rules of transportation of goods that operate in this mode of transport.