

MAXINOL 65

Acrylic Copolymer

PRODUCT FEATURES

M 65 is used as grinding aid and powerful deflocculating agent in ceramic processing.

M 65, polymeric dispersant is used to increase solid slip and reduce viscosity in clay and other dispersions. It is used as grinding aid, dispersing and deflocculating aid for clays, ceramics & electro ceramics, ferrites, refractories.

SPECIFICATIONS

Appearance	:	Clear colourless to pale yellow liquid
Nature	:	Acrylic copolymer.
Grade	:	Sodium salt.
PH (5% solution)	:	7.8 – 8.3
Avg. Molecular Wt.	:	≈4500
Solid Content	:	42 –44%
Density at 25°C	:	1.20-1.35 gm/cc
BF viscosity cP@ 25 ^o C	:	200-400

(These are typical values and not the final specifications)

MAJOR BENEFITS

M 65 confers following application benefits: Dispersant for ceramic processing

It is used to overcome troublesome rheological problems from crowding factors influenced by particle size, shape & interparticle attraction which give rise to interparticle friction and formation of agglomerates. Its use increases M.O.R. especially in ceramic formulations and eliminates formation of 'Pin Holes' in the furnished articles.

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VALUE ADDITION

Dispersions prepared with M 65 have better viscosity and viscosity stability for longer period of time than those prepared from traditional 'Sodium Silicate – Sodium Carbonate blends'. Slips produced with M 65 have higher green strength, no glaze jumping or crowding effect due to its better absorption and penetration into the material. It leaves less (no) silica in the pore structure and produces no efflorescencic on moulds (spotting).

STPP (Polyphosphates) suffer reversion or degradation to orthophosphates through hydrolysis during grindings in ball mill. Orthophosphates are not the active dispersant; Orthophosphate anions may actually favor flocculation or deposition.

The slips produced using M 65 are most suited for high-tech ceramic industries for faster casting rates, increased life of moulds.

DOSAGE

Depend upon use conditions. The most common doses are between 0.2-0.5% of M 65 on clay material.

SAFETY AND HANDLING

M 65 is generally safe but avoid contact with eyes and prolonged contact with eyes. Do not take internally. In case of contact with skin, wash with plenty of water. In case of contact with eyes, flush with water and get prompt medical attention. Gloves and goggles should be used while handling the product.

STORAGE

M 65 is non-flammable, non-combustible. It should be stored under shade. The product should not be exposed to direct sunlight.

PACKING

M 65 is available in 250 Kgs Polydrum.