



ADIPRESS G-10

Binder for isostatic press bodies

PROPERTIES

ADIPRESS G-10 is a binder for slips and body, especially for isostatic press process. It increases the mechanical resistance of green pieces, providing enough MOR to avoid any loses during handling operation.

TECHNICAL FEATURES

ASPECT:	Brownish powder
HUMIDITY (packed):	Max. : 7'5%
VISCOSITY (sol. 4%):	Between 3 and 7 cps. (at 20°C)
pH (sol. 4%):	Between 4,00 and 6,00 (at 20°C)
CALCINATION RESIDUE:	< 0.65 %

DOSAGE

There is not a standard dose of the product. Usual dosage can fluctuate between 0,2 and 0,8 % of dry material over the charge weight. It requires previous laboratory tests to determine the suitable dosage.

Addition of the binder is made through a binder solution prepared with **ADIPRESS G-10**.

In order to prepare the binder solution of the product, it can be diluted to a concentration up to 20% but generally this product is used at 10% concentration in the same way like traditional binders.

For the binder solution preparation, we recommend to start mixing ADIPRESS G-10 in cold water under continuous stirring. After that the product must be gradually heated to temperatures up to 80°C under continuous stirring. When the product is completely swelled then is ready for use.

If this preparation is not possible, then hot water and stirrer can be also acceptable, but there are more chances to find undissolved particles.

The immediate addition over the slip creates a viscosity increase. The proper rheological conditions are achieved after stirring for longer periods depending on the composition of the body.

PRESENTATION AND STORAGE

Sacks of 25 Kg.

The product is stable to a storage prolonged under normal conditions if kept closed in original packaging.

Avoid humidity and extreme temperature. **ADIPRESS G-10** is a hygroscopic product and can be affected by environmental moisture.