

MINERAL FILLERS

There are several mineral fillers such as chalks, carbonates and silicas, which facilitate extrusion, improve resistance, reduce shrinkage, etc.



FILLER	PROPERTIES
Calcium carbonate	Improves shine as well as mechanical resistance, facilitates extrusion.
Silica sands	Reduce shrinkage during moulding.
Quartz	Improves resistance to humidity and resistance to cracking.
Diatom flour (tripoli)	Increases the compressive strength, thermal, electrical and sound insulation.
Thermal silica	Increases viscosity, improves thixotropy.
Talcs	Brings white to light gray pigmentation, improves flow and rigidity of the parts.
Micas	Increase the rigidity and hardness of the parts, facilitates demoulding.
Kaolin	Improves molding of premixes.
Wollastonite	Reduces water absorption, improves impact resistance and thermal, dielectric properties.