

METAL OXIDES & HYDRATES

Metal oxides and hydrates are added to the resins in the form of fine powders and microspheres, they increase density, better electrical resistivity, thermal conductivity, etc.



FILLER	PROPERTIES
Aluminum oxide	Improves electrical resistivity, ensures good thermal conductivity; decreases the coefficient of thermal expansion, increases rigidity, resistance to abrasion and fire.
Magnesium oxide	Increases the viscosity of the premixes, as well as the hardness and rigidity of the parts.
Zinc oxide	Increases electrical conductivity and resistance to ultraviolet rays.
Beryllium oxide	Increases electrical conductivity.
Titanium dioxide	White pigment, anti-UV barrier, improves Resistance to aging, gives good resistance to water and heat.
Magnesium oxysulfate (MOS)	Short fibers, increases Young's modulus, impact and heat resistance.
Ceramic	Load family providing a mass reduction of 15 to 25%, improved resistance to compression and impact.