



شرکت توسعه فناوری آویژه خاور میانه

GILSONITE-INDUSTRIAL

GILSONITE USING IN INDUSTRIAL SECTOR CONSIST OF, PAINT, INK, COAT, ASPHALT, FOUNDRY AND CONSTRUCTION.

GILSONITE IN PAINT

A PAINT CONSISTING ESSENTIALLY OF 20 GALLONS OF PETROLEUM SOLVENT, 10 GALLONS OF LINSEED OIL, 10 GALLONS TURPENTINE, POUNDS OF GILSONITE PIGMENT, 4 GALLONS VARNISH MIXTURE CONSISTING OF 17.8% PENTAERYTHRITOL ROSIN ESTER, 30.8% DEHYDRATED CASTOR OIL, 1.4% OF A MIXTURE OF LEAD, COBALT AND MANGANESE NAPHTHENATES, 1 GALLON WETTING AGENT CONSISTING ESSENTIALLY OF SALTS OF PETROLEUM SULFONIC ACIDS, 2 QUARTS OF DRIER, AND 1 PINT OF A HYDROCARBON SILICON PENETRATING OIL, OBTAINED BY HEATING A MIXTURE OF FINELY GROUND SILICON DIOXIDE UNDER PRESSURE TO A TEMPERATURE OF ABOUT 300 F. WITH A DISTILLATE PRODUCT OBTAINED BY SUBJECTING GILSONITE TO FRACTIONAL DISTILLATION, SAID DISTILLATE PRODUCT BEING THAT FRACTION WHICH DISTILLS AT A TEMPERATURE RANGE OF ABOUT 430 F. TO 438 F.

2. GILSONITE IN INK

GILSONITE IS WIDELY USED AS THE PRIMARY CARBON BLACK WETTING AGENT FOR BLACK NEWS INKS AND HEADSET AND TONER INKS. ATDM GILSONITE RESIN COMPETES ADVANTAGEOUSLY WITH HYDROCARBON RESINS, PHENOLIC RESINS.

3. GILSONITE IN ASPHALT

WE DISCOVERED THAT A SYNTHETIC FLUX OIL CAN CONTAIN AND DELIVER ASPHALTITES, SUCH AS GILSONITE, MORE EASILY AND READILY TO AN ASPHALT TO IMPROVE ITS PROPERTIES. THE SYNTHETIC FLUX OIL INCLUDES THE ASPHALTITE AND A CARRIER OIL. DEPENDING ON THE NATURE OF THE CARRIER OIL, THE SYNTHETIC FLUX OIL MAY OR MAY NOT NEED TO BE HEATED DURING MIXING AND INCORPORATION INTO THE ASPHALT.

4. GILSONITE IN CONSTRUCTION

GILSONITE CEMENT COMPOSITIONS ARE DISCLOSED WHICH UTILIZE PETROLEUM ASPHALT, NATURAL ASPHALT, A REACTIVE OIL AND AN ELASTOMER. THESE COMPOSITIONS PRODUCE SUPERIOR GILSONITE CEMENT THAT CAN GIVE LOW



شرکت توسعه فناوری آویژه خاور میانه

GILSONITE-INDUSTRIAL

VISCOSITY DURING APPLICATION FOLLOWED BY HIGH VISCOSITY, TOUGHNESS AND TENACITY AFTER CURING ON THE HIGHWAY.

5. FOUNDRY

GILSONITE, AN ADDITIVE FOR FOUNDRY SAND PREBLEND PROVIDING REDUCED SMOKE AND OTHER EMISSIONS, THE ADDITIVE COMPRISING A MIXTURE OF ONE PART IRON OXIDE AS ONE PART OF A HIGHLY VOLATILE CARBONACEOUS MATERIAL, AND FOUR PARTS OF METALLURGICAL COKE. THE ADDITIVE IS USED AS ONE QUARTER OF THE FOUNDRY SAND PREBLEND, THE OTHER THREE QUARTERS CONSISTING ESSENTIALLY OF CLAYS.

PACKING OF INDUSTRIAL GILSONITE “NATURAL ASPHALT” LUMP AND POWDER FORM “MICRONIZED”

GILSONITE IN LUMP FORM LIKE ROCK PACKED IN 500~1000KG JUMBO BAG
GILSONITE 200 MESH PACKED IN 500~1000KG JUMBO BAG
GILSONITE 300 MESH PACKED IN 500~1000KG JUMBO BAG
GILSONITE 30-40 MESH PACKED IN 500~1000KG JUMBO BAG
GILSONITE 100 MESH PACKED IN 500~1000KG JUMBO BAG
GILSONITE 300 MESH PACKED IN 25KG PP BAG
GILSONITE 200 MESH PACKED 25KG MULTI PAPER BAG
GILSONITE 200 MESH PACKED 50LBS MULTI PAPER BAG
GILSONITE 30-40 MESH PACKED PP BAG ON PALLET
BULK ON VESSEL



OUR APPROVALS



updated
on Sep.15

Add: No.1106, 11th floor, Sarvesaei tower, Valiasr St., Tehran -Iran
www.atdmco.com info@atdmco.com Tel:009821-88103560~1 Fax:009821-88729845