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Natural Bitumen or Gilsonite

Gilsonite Natural Asphalt, Natural Bitumen, hard Asphalt or Hard Asphaltum is used as performance enhancing agent for asphalt mixes. Gilsonite Modified paving mixes achieve higher PG grades and incorporate perfectly into the asphalt blend with no need for higher shear milling as is the case with many other modifiers.

Gilsonite can be partially or totally replaced or complement the use of SBS polymers in modified asphalts at a fraction of the cost. Gilsonite-modified asphalts have higher stability, reduced deformation, reduced temperature susceptibility and increased resistance to water stripping than non-modified asphalts. Gilsonite is also used to make both solvent based and emulsion pavements sealers with superior appearance and weathering properties

Property	Unit	Result	Test Method
Ash content	Wt%	10-20	ASTM -D3174
Moisture Content	Wt%	3-7	ASTM-D3173
Volatile Matter	Wt%	75-90	ASTM-D3175
Solubility in CS ₂	Wt%	60-90	ASTM-D4
Specific Gravity at 25°C		1.01-1.12	ASTM-D3289
Normal Heptan Insolubles	Wt%	55-89	ASTM-D3279
Color in Mass		BLACK	-----
Color Streak or Powder		BLACK	-----
Softening Point	°C	180-235	ASTM-D36
Penetration at 25°C		0	ASTM-D5
Elemental Analysis			
Carbon	Wt%	80-95	ASTM-D5291
Hydrogen	Wt%	7-10	ASTM-D5291
Nitrogen	Wt%	5-8	ASTM-D5291
Oxygen	Wt%	3-5.5	ASTM-D5291
Sulphur	Wt%	3-7	LECO ANALYZER

Accredited: ISO9001:2015 | ISO 14001:2015 | ISO45001:2018