



Gilsonite (Natural Bitumen) Specification Physical Properties of Grade: IM 103

Test	Result	Test Method
Ash Content wt%	15 - 20	ASTM-D3174
Moisture Content wt%	≤3	ASTM-D3173
Volatile Matter wt%	50	ASTM-D3175
Fixed Carbon wt%	39	ASTM-D3172
Solubility in CS ₂ wt%	55 - 65	ASTM-D4
Specific Gravity @ 25 C°	1.02	ASTM-D3289
Color in Mass	Black	-----
Color in Streak or Powder	Brown	-----
Softening Point C°	180 - 200	ASTM-D36
Penetration @ 25 C° , 10 -1 mm	0	ASTM-D5
Solubility in Trichloroethylene	60 - 75	ASTM-D2042

Element Analysis

Carbon wt%	74	ASTM-D5291
Hydrogen wt%	7.1	ASTM-D5291
Nitrogen wt%	0.67	ASTM-D5291
Oxygen wt%	3.1	ASTM-D5291
Sulphur wt%	3 - 8	Leco(s)Analyzer