



Gilsonite (Natural Bitumen) Specification Physical Properties of Grade: IM 101

Test	Result	Test Method
Ash Content wt%	5-10	ASTM-D3174
Moisture Content wt%	≤3	ASTM-D3173
Volatile Matter wt%	55	ASTM-D3175
Fixed Carbon wt%	35	ASTM-D3172
Solubility in CS ₂ wt%	75 - 85	ASTM-D4
Specific Gravity @ 25 C°	1.01	ASTM-D3289
Color in Mass	Black	-----
Color in Streak or Powder	Brown	-----
Softening Point C°	170 - 190	ASTM-D36
Penetration @ 25 C° , 10 -1 mm	0	ASTM-D5
Solubility in Trichloroethylene	72-82	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