



Gilsonite (Natural Bitumen) Specification

Physical properties of grade : IM 105

No	Test	Result	Test Method
1	Ash Content,wt%	14~18	ASTM-D3174
2	Moisture Content,wt%	≤5	ASTM-D3173
3	Volatile Matter,wt%	63	ASTM-D3175
4	Fixed Carbon,wt%	29	ASTM-D3172
5	Solubility in CS ₂ ,wt%	81	ASTM-D4
6	Specific Gravity @ 25 C°	1.11	ASTM-D3289
7	Normal Heptane Insolubles,wt%	86	ASTM-D3279
8	Color in mass	Black	-----
9	Color in streak or powder	brown	-----
10	Softening Point, C°	225 ± 5	ASTM-D36
11	Penetration @ 25 C°, 10 ⁻¹ mm	0	ASTM-D5
12	Solubility in trichloroethylene	56	ASTM-D2042
Element Analysis			
1	Carbon,wt%	74	ASTM-D5291
2	Hydrogen,wt%	7.1	ASTM-D5291
3	Nitrogen,wt%	0.67	ASTM-D5291
4	Oxygen,wt%	3.1	ASTM-D5291
5	Sulphur,wt%	4	Leco(s)Analyzer