

DATA SHEET

NATURAL ASPHALT/NATURAL BITUMEN/GILSONITE

Ordering Code: HG110

APPLICATIONS: ASPHALT, ROAD PAVING, CONSTRUCTION

TECHNICAL PROPERTIES TABLE

PROPERTIES	VALUE	TEST METHOD
ASH	8.0% – 10.0% Guaranteed	ASTM D-271-70 M
MOISTURE	1.0-1.5 %	AGC METHOD
SOFTENNING POINT	185 – 200 °C	ASTM-E28
FLASH POINT	316 °C	ASTM-D56
SOLUBILITY IN TCE	75% Guaranteed	ASTM-D2042
VISCOSITY (35°C, 50% solids, Magie 52)	2,000 – 5,000 cPs	ASTM-D2042
SPECIFIC GRAVITY	1.04	ASTM-D3289
PENETRATION (25 °C, 100 gm, 5 SEC)	0	ASTM-D5
COLOUR IN MASS	BLACK	-
COLOUR IN POWDER	BROWN	-

PARTICLE SIZE TABLE ASTM E11-70

SIZE A		SIZE B		SIZE C	
MESH SIZE	% RETAINED (CUMULATIVE)	MESH SIZE	% RETAINED (CUMULATIVE)	MESH SIZE	% RETAINED (CUMULATIVE)
30	<=0.1%	0	<=0.1%	0	<=1.0%
50	<=1.3%	30	<=1.3%	10	<=5.0%
100	<=8.5%	50	<=8.5%	30	<=10.0%
200	<=30%	100	<=30%	40	<=30.0%

Solubility

The Gilsonite HG110 is available in lumps and powder from mesh size 30 to 3000 mesh and is readily soluble without heating in solvents (Benzene, Toluene, Xylene). It is also soluble without heating in aliphatic and low aromatic solvents (VM&P and other Ink Oils and Mineral Spirits), however mixing time is longer.

Packaging

The Gilsonite HG110 is available in lumps, powder in 50 and 25 kg paper or polypropylene bags, which may be palletized and stretch wrapped. It is also available in bulk-loaded trucks and in a variety of bag sizes according to your requirements.