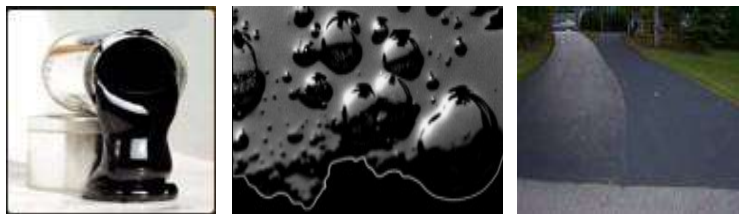


Gilsonite

Asphalt & Bitumen Road construction

Natural Asphalt, Natural Bitumen Grades

Modifier for hot mix binders to achieve broader Useful Temperature Interval (UTI) and improve high temperature properties of bitumen. CH-108R and Ch-110K also Ch109P was developed for use in conjunction with, or as a substitute for, polymers in asphalt.



Gilsonite CH-108R

Typical Properties

Softening Point (ASTM E28-92)	195-215°C 383-420°F
Ash (ASTM D271-70M)	12-16%
Moisture	<1.5%
Penetration (25°C, 100 gm, 5 sec.)	0-2
Color in Mass	Black
Flash Point (COC)	316°C; 600°F
Nitrogen	3% Typical
Sulfur	3-6%
Specific Gravity	1.04

Typical Particle Sizing (ASTM E11-70)

	% Retained (Cumulative)		
	Pulverized		
	30-40	100	200
+ 10 mesh	--	---	---
+ 30 mesh	<=5	---	---
+ 40 mesh	<=18	---	---
+ 100 mesh	---	<=18	---
+ 200 mesh	---	---	<=18

Gilsonite CH-109P

Typical Properties

Softening Point (ASTM E28-92)	185-205°C 365-401°F
Ash (ASTM D271-70M)	<10%
Moisture	<1.5%
Penetration (25°C, 100 gm, 5 sec.)	0-2
Color in Mass	Black
Flash Point (COC)	316°C; 600°F
Nitrogen	3% Typical
Sulfur	3-6%
Specific Gravity	1.04

Gilsonite CH-110 A

Typical Properties

Softening Point (ASTM E28-92)	165-185°C 329-365°F
Ash (ASTM D271-70M)	<3% 5% Guaranteed
Moisture	<1.5%
Penetration (25°C, 100 gm, 5 sec.)	0-2
Color in Mass	Black
Flash Point (COC)	316°C; 600°F
Solubility	>95%
Nitrogen	3% Typical
Sulfur	3-6%
Specific Gravity	1.04