

Gilsonite

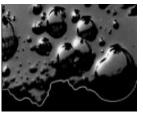
Asphalt & Bitumen

Road costruction

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	<u>1 ypicai Pa</u> %]
Ash (ASTM D271-70M)	12-16%	
Moisture	<1.5%	. 40 1
Penetration (25°C, 100 gm, 5 sec.) Color in Mass	0-2 Black	+ 10 mesh
Flash Point (COC)	316°C; 600°F	+ 30 mesh + 40 mesh
Nitrogen	3% Typical	+ 100 mesh
Sulfur	3-6%	+ 200 mesh
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