

Protect Environment

Always Think

Green



Bitu Polymer*

Polymer modified bitumen

Uses

Polymer modified bitumen is especially design to significantly reduces the asphalt pavement failures, such as rutting (Permanent deformation), fatigue, oxidative aging, and thermal cracking, polymer modified bitumen produce more durable asphalt pavement.

Benefits

- **Thermal cracking:** Prevent cracking of cold and hot weather shocks.
- **Softening Point:** No rutting of bitumen pavement in high ambient temperature.
- **Reduce Permeability:** Improve Water proofing of bitumen pavement and protect from rain and standing water.
- **Fuel resistance:** Improve the fuel resistance Plug capillary voids.
- **Weather Ageing:** Excellent resistance against ultraviolet rays.
- **Viscosity:** Improve rheological properties of bitumen without effecting viscosity
- **Availability:** Available in three different grades
- **Energy Requirement:** Similar to the Bitumen 60/70
- **Compaction:** Provide better compaction than Bitumen 60/70
- **Storage Stability:** 21 days TBM test passed with flying colors without difference @ 130 °C.

Description

Bitu Polymer* is a blend of bitumen and polymer to increase a softening point of bitumen without disturbing other properties of bitumen such as penetration and viscosity. **Bitu Polymer** is available in three grades, **P- 20, P- 30 & P- 40**

Standard compliance

ASTM D-5892-00, AASHTO M-20

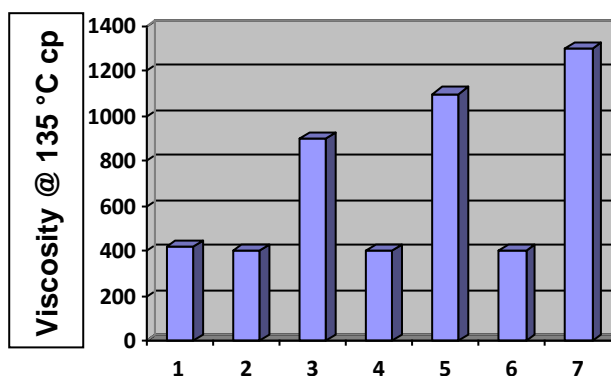
Technical support

Pakistan Bitumen Company provides a technical advisory service for on-site assistance and advice on selection of grade of polymer modified bitumen, Tack Coat and Prime Coat.

Properties

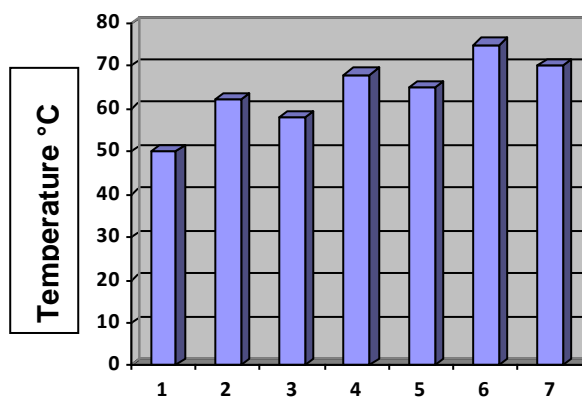
Appearance	: Black		
Grades	P - 20	P - 30	P - 40
Softening point °C	: 62	68	75
Viscosity @ 135 °C cp	: 400	400	400

MODIFIER EFFECT ON VISCOSITY



1. Bitumen 60/70
2. Bitu Polymer P-20
3. Bitumen with 3% SBS
4. Bitu Polymer P-30
5. Bitumen with 4% SBS
6. Bitu Polymer P-40
7. Bitumen with 5% SBS

RING AND BALL SOFTENING POINT



1. Bitumen 60/70
2. Bitu Polymer P-20
3. Bitumen with 3% SBS
4. Bitu Polymer P-30
5. Bitumen with 4% SBS
6. Bitu Polymer P-40
7. Bitumen with 5% SBS



Health and safety

For further information consult the Material Safety Data Sheet available for this product

Estimating – packaging

Bitu Polymer* is available in 218 kg. Drums and bulk supply.

Additional Information:

Pakistan Bitumen Company manufactures a wide range of asphalt pavement related products, which include:

- **Bituaqua Prime Coat*** (Anionic & Cationic)
- **Bituaqua Tack Coat***
- **Bituaqua Seal Coat***
- **Bituaqua Repair***
- **Bitu Cutback***
- **Bitu PG***

For further details about the above products, please contact to our sales offices on below mentioned contact numbers or send your inquiry by email.

* Denotes the trademark registered

REGIONAL SALES OFFICES IN PAKISTAN:

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Important note

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