



Technical Data Sheet

PG 76E-28 HP (High Polymer)

Typical Uses:

Associated Asphalt PG 76E-28 HP (High Polymer) is a high performance, highly modified, polymer modified asphalt cement for hot mix asphalt production. It can be incorporated into any appropriate mix design where PG76E-28 HP performance graded binder is specified or where there is a demand for increased resistance to rutting or cracking.

Characteristics:

The PG 76E-28 HP (High Polymer) is produced using "SB" or "SBS" polymers blended into a neat asphalt binder to achieve enhanced elastic properties. Additives are then uniformly dispersed into the polymer-asphalt mixture to "crosslink" the polymer to prevent thermal separation. The finished product is a homogenous binder that requires minimal agitation or recirculation.

Storage:	Immediate Use	330 – 340°F.
	Storage, short term	300 – 330°F.
	Storage, long term	285 – 300°F.

Agitation is not necessary but tanks should be mixed prior to production starting. Continuous agitation is not recommended; if material is on heat then periodic agitation is recommended. Periodic agitation is usually one hour per day and can be broken into time segments if needed.

Guideline for Field Mixing and Compaction Temperature:

Plant mixing temperatures are dependent on the mix design, lift thickness placing, atmospheric conditions, use of warm mix additives, paving equipment being used, and the desired compaction temperature at the paving site.

The recommended mixing temperature range is 290 – 340°F with an optimum temperature of 320-330F.

Compaction temperature should be determined by placing test sections in the roadway monitoring temperature and density. The placement procedures, lift thicknesses, and rolling patterns should be checked and validated first. Then if density/breakdown target is not achieved then compaction temperature could be raised.

The recommended compaction temperature range is 285 - 330°F with an optimum temperature of 310-320F.

Test/Specifications:

Associated Asphalt certifies our PG 76E-28 HP (High Polymer) to meet AASHTO and local agency specifications. Contact us for a complete certificate of analysis.

Caution:

Read SDS prior to use. Wear appropriate PPE and follow all safe handling guidelines. Use with adequate ventilation and avoid breathing vapor or fumes. Avoid contact with skin as hot product can cause thermal burns. In case of contact with skin or eyes, flush with cool water for at least 15 minutes and get medical attention. Do not remove product from skin.

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