



# BP Penetration Graded Asphalt Cements

BP Penetration Graded Asphalt Cements are suitable for paving and industrial applications and as the base stock for producing emulsions and cutbacks.

Technical Datasheet



## Specifications

BP Penetration Graded Asphalt Cements are consistent with the historical quality you've come to expect from BP and are produced to meet BP's proprietary specifications.

## Availability

BP Penetration Graded Asphalt Cements are available by barge, rail car, and tank truck.

## Recommended Storage, Handling and Usage

BP recommends that all storage tanks be clearly identified and a record maintained for each tank

showing grade, volume, date received and source of the asphalt. Daily, one quart samples of each grade used should be retained for six months.

The storage temperature should not exceed 325°F (163°C). If asphalt is stored longer than one month, it is advisable to monitor aging of the asphalt by checking the absolute viscosity or penetration. If significant changes in these properties occur it is advisable to have the asphalt tested for compliance with specifications.

## Health, Safety and Environment

BP Asphalt Binders should be used in accordance with the recommendations given in the BP Material Safety Data Sheet for Asphalt (MSDS# 0000002913).

Additional information on the "Safe Handling of Hot Asphalt" can be found in Asphalt Institute publication VA-26W.

"Best Management Practices to Minimize Emissions during HMA Construction" can be found in the Asphalt Pavement Environmental Council publication EC 101.

**For technical inquiries contact:  
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# BP Penetration Graded Asphalt Cements

## Specifications

Penetration Grade	AASHTO Method	Specified Limit(s) or Test Temperature, °C			
		AC 85-100	AC 120-150	AC 150-200	AC 200-300
<b>Original Binder</b>					
Absolute Viscosity at 140°F, (60°C) Poise	T 202	1100-1500	N/A		
Viscosity at 275°F, (135°C) cSt	T 201	NLT 280	N/A	NLT 200	N/A
Kinematic Penetration at 77°F (25°C), dmm	T 49	85-100	120-150	150-200	200-300
Specific Gravity at 77°F (25°C)	T 228	Report			
Flash Point, COC, °C	T 48	NLT 232	NLT 218	NLT 218	NLT 232
Flash Point, PMCC, °C	T 73	NLT 204			
<b>THIN FILM OVEN Residue</b>					
Mass Loss, %	T 240	NMT 0.85	NMT 1.30	NMT 1.30	NMT 1.50
Penetration @ 77°F (25°C), % Orig.	T 49	NLT 50	NLT 46	NLT 42	NLT 40

## Availability / Shipment Method

Penetration Grade	AC 85-100	AC 120-150	AC 150-200	AC 200-300
Whiting	TT, RC, B			

Regular Availability

**Key:** TT - Tanker Truck RC - Rail Car B - Barge

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