



# BP Viscosity Graded Asphalt Cements

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

Technical Datasheet



## Specifications

BP Viscosity 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 Viscosity 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:  
Dave Klen, + 1 630 420-5345**

# BP Viscosity Graded Asphalt Cements

## Specifications

AC Grade	AASHTO Method	Specified Limit(s) or Test Temperature, °C					
		AC 2.5	AC 5	AC 10	AC 15	AC 17	AC 20
<b>Original Binder</b>							
Absolute Viscosity @ 140°F (60°C), Poises	T 202	200-270	400-550	800-1100	1200-1800	1360-2000	1600-2200
Kinematic Viscosity @ 275°F (135°C), cSt	T 201	NLT 125	NLT 175	NLT 250	NLT 275	NLT 250	NLT 300
Flash Point, COC, °C	T 48	NLT 219		NLT 232			
Flash Point, PMCC, °C	T 73	NOT SPECIFIED			NLT 204		
Specific Gravity @ 77°F, (25°C)	T 228	NLT 0.993	NLT 0.996	NLT 1.00	Report		
Penetration at 77°F (25°C), dmm	T 49	NLT 220	NLT 140	NLT 85	60-100	NLT 60	63-85
<b>THIN FILM OVEN Residue</b>							
Mass Loss, %	T 240	NMT 1.00	NMT 0.75	NMT 0.60	NMT 0.50		
Absolute Viscosity @ 140°F (60°C), Poises	T 202	NMT 1000	NMT 2000	NMT 4000	NMT 6000	NMT 7000	NMT 8000
Penetration @ 77°F (25°C), % Original Binder.	T 49	NLT 40	NLT 46	NLT 50	Report	N/A	NLT 54

## Availability / Shipment Method

PG Grade	AC 2.5	AC 5	AC 10	AC 15	AC 17	AC 20
Whiting	TT, RC, B					

Regular Availability

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

For further information contact:

**BP Bitumen** 2300 Standard Ave, Mail Code 402, Whiting, IN 46394, USA  
 Tel: +1 219 473 3466 Fax: +1 219 473 3572  
 E-mail: asphaltinquiries@bp.com Web: [www.bpbitumen.com](http://www.bpbitumen.com)

