



Product Specification Sheet

Ashalt Binder PG 52-28

<u>Test</u>	<u>Units</u>	<u>Specification</u> Degrees C (F)	<u>Test Method</u>
ORIGINAL BINDER			
Viscosity @ 135 °C	mPa	3000 max	T 316
Flash Point	Celsius	230 min	T 48
Penetration @ 25°C	1/10 mm	Report	T 49
API Gravity @ 60 °F	API	Report	
Density @ 60 °F	g/cm3	Report	T 228
Density @ 60 °F	lbs/gal	Report	T 228
DSR @ 52.0 °C ($G^*/\sin\delta$)	kPa	1.00 min	T 315
Phase Angle @ 52.0 °C	degrees	Report	T 315
RTFO RESIDUE			
Mass Change	wt%	1.00 max	T 240
DSR @ 52.0 °C ($G^*/\sin\delta$)	kPa	2.20 min	T 315
Phase Angle @ 52.0 °C	degrees	Report	T 315
PAV RESIDUE			
PAV Aging Temperature	°C	Report	R 28
Creep Stiffness	Mpa	300 max	T 313
m-value (60 sec @ -18.0 °C)	method defined	0.300 min	T 313
DSR @ 16.0 °C ($G^* \sin\delta$)	kPa	5000 max	T 315
Phase Angle @ 16.0 °C	degrees	Report	T 315
CLASSIFICATION			
Performance Grade PG 52-28		Report	M 320