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**PRODUCT SPECIFICATIONS**

**PRODUCT:** ASPHALT CEMENT

**GRADE:** AC 15 - 5 TR

**PRODUCT CODE:** 13717

**DESCRIPTION:** A tire rubber/SBS polymer modified asphalt used as a "hot applied" seal coat binder.

**MEETS SPECIFICATIONS:** Paramount Petroleum

TESTS	ASTM METHOD	AASHTO METHOD	COLD CLIMATE SPECS.	HOT CLIMATE SPECS.	TYPICAL ANALYSIS <sup>1</sup>
Original Asphalt:					
Tire rubber, %			5 min	5 min	5.5
Abs. viscosity, 140°F, poise	D2171	T202	1500 min	1500 min	20273
Kin. viscosity, 275°F, cst	D2170	T201	2000 max	2000 max	950
Penetration, 77°F, 100g, 5s	D5	T49	75-125	55-90	63
Softening point, °C	D36	T53	50 min	60 min	66
Elastic Recovery, 77°F, %	D6084		55 min	55 min	90
Dynamic Shear, 64°C, G*/sinδ, kPa	D7175	T315	1.00 min		1.2
Dynamic Shear, 70°C, G*/sinδ, kPa	D7175	T315		1.00 min	1.6
Flash Point, C.O.C., °C	D92	T48	230 min	230 min	304
Solubility in Trichloroethylene, %	D2042	T44	98.0 min	98.0 min	98.9
Specific Gravity, 77/77°F	D70	T228			1.016
Specific Gravity, 60/60°F	D70	T228			1.022
API Gravity, 60°F	D70	T228			7.0
Residue from R.T.F.O. Oven Test:					
Dynamic Shear, 64°C, G*/sinδ, kPa	D7175	T315	2.20 min		2.5
Dynamic Shear, 70°C, G*/sinδ, kPa	D7175	T315		2.20 min	3.7
Mass Loss, %	D2872	T240	1.00 max	1.00 max	0.8
Residue from P.A.V. Test @ 100°C:					
Dynamic Shear, 22°C, G*·sinδ, kPa	D7175	T315	5000 max		2125
Creep Stiffness, -18°C, S, MPa	D6648	T313	300 max		152
m-Value, -18°C	D6648	T313	0.300 min		0.324
Residue from P.A.V. Test @ 110°C:					
Dynamic Shear, 28°C, G* sinδ, kPa	D7175	T315		5000 max	3887
Creep Stiffness, -12°C, S, MPa	D6648	T313		300 max	193
m-Value, -12°C	D6648	T313		0.300 min	0.318

<sup>1</sup>Values shown as typicals may, at times, be superseded by results which are current at a particular time.

**AVAILABILITY:** Special Order

**DOT SHIPPING NAME:** UN3257, Elevated temperature liquid, n.o.s., 9, III

**DOT PLACARD:** Hot, 3257

**RELEASED:** 10-01-06