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**PRODUCT SPECIFICATIONS**

**PRODUCT:** ASPHALT CEMENT

**GRADE:** PG 70 - 22TR+

**PRODUCT CODE:** 13707

**DESCRIPTION:** A vacuum steam refined asphalt modified with ground tire rubber and polymer for use in hot mixes in hot temperature climates or under heavier load conditions.

**MEETS SPECIFICATIONS:** Arizona DOT

TESTS	ASTM METHOD	AASHTO METHOD	SPECS.	TYPICAL ANALYSIS <sup>1</sup>
Original Asphalt:				
Dynamic Shear, 70°C, G*/sinδ, kPa	D7175	T315	1.00 min	1.6
Phase Angle, 70°C, degrees	D7175	T315	75 max	64
Viscosity, Rotational, 135°C, Pa·s	D4402	T316	3 max	1.3
Flash Point, C.O.C., °C	D92	T48	230 min	304
Ground Tire Rubber, %			9 min	10
Elastic Recovery, 25°C, %	D6084		55 min	80
Solubility in Trichloroethylene, %	D2042	T44	97.5 min	98
Softening Point, C	D36	T53	60 min	63
Specific Gravity, 77/77°F	D70	T228		1.031
Specific Gravity, 60/60°F	D70	T228		1.037
API Gravity, 60°F	D70	T228		5.0
Residue from R.T.F.O. Oven Test:				
Dynamic Shear, 70°C, G*/sinδ, kPa	D7175	T315	2.20 min	3.7
Mass Loss, %	D2872	T240	1.00 max	0.5
Residue from P.A.V. Test @ 110°C:				
Dynamic Shear, 28°C, G* sinδ, kPa	D7175	T315	5000 max	2340
Creep Stiffness, -12°C, S, MPa	D6648	T313	300 max	228
m-Value, -12°C	D6648	T313	0.300 min	0.309

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Values shown as typicals may, at times, be superseded by results which are current at a particular time.

**AVAILABILITY:** Readily available, Phoenix Terminal

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

**DOT PLACARD:** Hot, 3257

**RELEASED:** 02-01-2003