



14700 Downey Avenue
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PRODUCT SPECIFICATIONS

PRODUCT: ASPHALT CEMENT

GRADE: MAC-15TR

PRODUCT CODE: 13723

DESCRIPTION: A tire rubber modified asphalt containing not less than 15% whole ground tire rubber for use in hot mixes to resist rutting and cracking. The product is smooth and homogeneous, and it mixes like a conventional/modified asphalt.

MEETS SPECIFICATIONS: ASTM D6373, PG70-22
AASHTO M320, PG70-22

TESTS	ASTM METHOD	AASHTO METHOD	SPECS.	TYPICAL ANALYSIS ¹
Original Asphalt:				
Tire Rubber Content, wt.%			15 min	15
Flash Point, C.O.C., °C	D92	T48	230 min	315
Specific Gravity, 77/77°F	D70	T228		1.028
Specific Gravity, 60/60°F	D70	T228		1.034
API Gravity, 60°F	D70	T228		5.3
Softening Point, °C	D36	T53	70 min	59
Elastic Recovery, 25°C, %		T301	60 min	75
Penetration, 25°C (77°F), 100g, 5s	D5	T49	60 min	73
Penetration, 4°C (39.2°F), 200g, 60s	D5	T49	20 min	24
Kinematic Viscosity, 135°C, cSt	D2170	T201		1427
Dynamic Shear, 70°C, G*/sinδ, kPa	P246	TP5	1.00 min	1.42
Rotational Viscosity, 135°C, Pa·s	D4402	T316	3 max	1.2
Residue from R.T.F.O. Oven Test:				
Kinematic Viscosity, 135°C, cSt	D2170	T201		1347
Dynamic Shear, 70°C, G*/sinδ, kPa	P246	T315	2.20 min	2.3
Mass Loss, %	D2872	T240	1.00 max	0.82
Residue from P.A.V. Test @ 100°C:				
Dynamic Shear, 28°C, G*·sinδ, kPa	P246	T315	5000 max	3154
Creep Stiffness, -12°C, S, MPa	D6648	T313	300 max	168
m-Value, -12°C	D6648	T313	0.300 min	0.343

¹Values shown as typicals may, at times, be superseded by results which are current at a particular time.

AVAILABILITY: Readily Available, All Locations

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

DOT PLACARD: Hot, 3257

RELEASED: 02-12-2002