



TABLE 901 D

AGGREGATE PHYSICAL PROPERTY REQUIREMENTS FOR ASPHALT MIXES

MATERIAL	S P E C I F I C A T I O N	TEST METHOD					
		T 11	T 96	T 104	D 4791	MSMT 216	T 279
		MATERIAL FINER THAN No. 200 SIEVE % max	LOS ANGELES ABRASION (LA) % max	SODIUM SULFATE SOUNDNESS % max	FLAT and ELONGATED (a) % max	DYNAMIC FRICTION VALUE (DFV) (b) (c) min	BRITISH PENDULUM NUMBER (BPN) (c) min
SURFACE COURSE 4.75mm, 9.5mm, 12.5mm, and 19.0mm	M323	—	45	12	10	25	—
SURFACE COURSE — HIGH DFV 4.75mm, 9.5mm, 12.5mm, and 19.0mm	M323	—	45	12	10	40 (e)	—
BASE COURSE 19.0mm, 25.0mm and 37.5mm	M323	—	45	12	10	—	—
GAP GRADED STONE MATRIX ASPHALT 9.5mm, 12.5mm, and 19.0mm	M323	—	30	12	20/5 (g)	40 (e)	—
OPEN GRADED FRICTION COURSE 9.5 mm, 12.5 mm, 12.5 mm PEM (h)	MSMT 409	0.5	30	12	20/5 (g)	40 (e)	—
SLURRY SEAL (SS) and MICRO-SURFACING (MS)	—	—	—	12	—	40 (f)	30
CHIP SEAL SURFACE TREATMENT	M 80, CLASS A	1.0 (d)	45	—	—	—	—

- (a) Testing for flat and elongated particles shall be conducted on the blended aggregates. Dimensional ratio of calipers shall be 5:1.
- (b) The minimum Dynamic Friction Value (DFV) shall be based on a single aggregate source or a blend of aggregates used. Determine proportions of blended aggregates using MSMT 416.
- (c) DFV and British Pendulum Number (BPN) determined on parent rock. Reclaimed asphalt pavement (RAP) shall have a DFV of 30.0.
- (d) 1.0 for samples taken at the point of production. Samples taken at any point after shipment shall have no more than 1.5 percent finer than 0.075 mm sieve.
- (e) Carbonate rock shall have a minimum of 25 percent insoluble residue retained on the 0.075 mm sieve.
- (f) No blending allowed.
- (g) Testing conducted on particles retained on the 4.75 mm sieve. Dimensional ratio of calipers shall be 3:1/5:1.
- (h) Porous European Mix