

Reda Thermoplastic Road marking Materials

WHITE

Material Composition:

- 1) Binder : 18-22%
- 2) Titanium Dioxide Pigment : 10%(Min) for AASHTO M249 : N/A for BS & M.O.T. Specs
- 3) Pre-Mix Glass Beads : 30% for AASHTO M 249, SAUDI MOT, ETC

No	TEST REQUIREMENTS	AASHTO M249 SPEC N	BS 3262 1989 Part 1	Typical Results
1	Softening Point. After heating the thermoplastic material for four hours @ 218°C.	102.5 \pm 9.5° C	65°C	100°C
2	Density (Specific Gravity)	2.15 (max)	Approx 2.0 G/cc	1.98 g/cc
3	Flash Point C.O.C. **			240 C+
4	Initial Luminance		70%	82%
5	Luminance- Heat Stability		65%	78%
6	Day Light Reflectance – After 4 hrs heat @ 218°C and cooled to 25°C +2°C	75%(Min)		78%
7	Drying Time @Air Temp. 10 \pm 2°C @Air Temp. 32 \pm 2°C	2 min(Max) 10 min(Max)		1 min 3 min
8	Bond Strength	180 psi (Min)		220 psi
9	Cracking Resistance (Low Temp)	No Crack		No Crack
10	Impact Resistance	10 in/lb (min)		18 in/lb
11	Flowability -% Residue	18 % (max)		12%
12	Flowability after extended heating-% Residue	28%		17%
13	Flow Resistance		25% (max)	1%

