

Reda Thermoplastic Road marking Materials

YELLOW

Material Composition:

- 1) Binder : 18-22%
- 2) Pre-mix Glassbeads: 30% for AASHTO M249, 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±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		50%	53%
5	Luminance- Heat Stability		45%	48%
6	Day Light Reflectance – After 4 hrs heat @ 218°C and cooled to 25°C +2°C	45%(Min)		48%
7	Drying Time @Air Temp. 10±2°C @Air Temp. 32±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)		16 in/lb
11	Flowability -% Residue	21% (max)		15%
12	Flowability after extended heating-% Residue	28%		18%
13	Flow Resistance		25% (max)	1%



** Flash Point carried out as a routine test to ensure safe handling and melting during pre-heater and spraying operation.

*Reda Yellow paint can also be produced to any required specifications. Non standard colors are also available upon request.