THERMOPLASTIC ROAD MARKING PAINTS

BS 3262: 1989

TECHNICAL DATA SHEET (TDS)

WHITE & YELLOW

Thermoplastic road marking material confirming to BS 3262, (part 1) 1989 shall consist of light colored aggregate, pigment and extender, bound together with aliphatic hydrocarbon resin plasticized with mineral oil.

Glass beads (Ballotini) shall be in accordance with B.S. 6088, 1981.

The aggregate shall consist of white silica sand, crushed calcite, calcined flint or quartz.

Constituent	Percentage by mass of mixture
Binder	18 – 22
Glass Beads (Ballotini)	20 Minimum
Aggregate together with pigment	78 - 82

Glass Beads

Glass beads incorporated in the mixture shall be reasonably spherical, and free from flaws, confirming to B.S. 6088 class A.

Pigments

The pigment will be titanium dioxide for white color.

Grading of Glass Beads in Mix BS 6088 Class A

Sieve Size (mm)	*Retained % by Weight Passing* Minmum	*Retained % by Weight Passing* Maximum
1.18	0	3
0.850	5	20
0.425	65	95
Below 0.425	0	10

Physical Properties

Property	Minimum	Maximum
Density gm/cm³	2.0 (approx)	-
Softening point (Ring & Ball) (Appendix E)	95	-
Luminance (Appendix F)	-	-
White	70	-
Yellow	50	-
White (remelting)	65	-
yellow (remelting)	45	-
Skid Resistance (Appendix J)	45	-
Flow Resistance(AppendixH)		25