

iTherm® Thermoplastic Road Marking Material BS Standard –Yellow

Introduction

iTherm® is Retro - reflective Thermoplastic Road Marking Material Conforming to BS 3262: Part 1/ 1989

Features

Retro-reflective thermoplastic road marking material with excellent whiteness

- Conforms to the British Standards (BS) specifications, 3262: Part 1/ 1989
- Designed for tropical Indian conditions
- Based on aliphatic chemistry, offers superior weathering resistance and colour stability
- Intermix glass beads offers long lasting retro - reflectivity
- Optimal balance between melt flow and flow resistance to achieve well defined lines as per the desired width and thickness
- Excellent wear resistance and adhesion on asphalt roads
- Suitable for application with manual, screed/ extrusion automatic machines

Directions For Use

- Heat the material to 180 - 200°C in the pre - heater with adequate agitation till the material becomes a homogenized liquid
- Ensure that the road surface is clean, free from dust and moisture
- Heavy deposits of paint require removal
- For aged asphalt roads and concrete roads application of material, a primer coat is recommended for proper bonding of the material with the road surface
- Ensure that the primer is thoroughly dry and void of solvent prior to application of the thermoplastic material
- Ensure temperature of 180 - 200°C and adequate agitation during application
- Do not hold thermoplastic above 180°C for more than 6 hours
- Do not heat the material above 220°C at any point of time. Maximum safe Heating Temperature 215 ±5 °C
- Change in colour indicates that the material has been scorched owing to overheating and needs to be discarded
- Drop - on glass beads must be immediately deposited after thermoplastic application.

Specifications

Tests	Unit	Specifications
Color	-	Yellow
Binder Content	%	20±2
Solid Glass beads	%	Minimum 20
Drying Time	Minutes	Max 15
Percentage Passing through 2.80 mm Sieve	%	Max 100
Percentage Passing through 600 µm Sieve	%	65 - 95
Aggregate, Pigment Extender and Solid Glass Beads % m/m of Mixture		78 - 82
Softening Point	° C	Min 65
Luminance Factor	%	Min 45
Heat Stability Factor	%	Min 45
Flow Resistance at 40±2 °C	%	Max 25
Skid Resistance	-	Not less than 45

Safety Information

- Minimize dusting of the material during use
- Use of personal protective equipment's like facemask, goggle, heat resistant gloves, safety shoes and protective clothing while handling the material is recommended
- Do not inhale product or fumes, do not ingest
- Avoid eye contact, if contacted, wash copiously with water
- Contact of molten product with skin would lead to thermal burns, flush with cold water, do not remove material as it would lead to severe tissue damage
- Please refer our Material Safety Data Sheet prior to using the product

Page 1 of 2

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Storage

- A minimum shelf life of 12 months when stored in a cool, dry and covered place

Packaging

- 25 Kgs HDPE Bags

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Page 2 of 2

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