

AR Prism O

BS Standard - White

Introduction

AR Prism O is Retro - reflective Thermoplastic Road Marking Material Conforming to BS 3262: Part 1/ 1989

Features

- Retro-reflective thermoplastic road marking material with excellent whiteness
- Confirms to the British Standards (BS) specifications, 3262: Part 1/ 1989
- Designed for tropical Indian conditions
- Based on aliphatic chemistry, offers superior weathering resistance and color 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

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

Specifications

Test	Unit	Specifications
Color	-	White
Binder Content	%	20±2
Drying Time	Minutes	Max 15
Percentage Passing through 2.80 mm Sieve	%	Max100
Percentage Passing through 600 mm Sieve	%	65-95
Aggregate, Pigment Extender and solid glass Beads % m/m of Mixture	-	78 -82
Softening Point	°C	Min 65
Luminance Factor	%	Min 70
Heat Stability Factor	%	Min 65
Flow Resistance at 40 ± 2	°C	Min 25
Skid Resistance	-	Not less than 45

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 color 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

Packaging

25 Kgs HDPE Bags

Storage

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