

DPWH Approved Thermoplastic Road Marking Paint



Technical Specification (Philippines)

TIANHUA Traffic | www.tianhuatraffic.com | info@tianhuatraffic.com

Price (CIF Manila): USD 350 – 800 per ton

Applicable Standards

- DPWH Department Order No. 103, s.2013 (Reflective Thermoplastic Stripping Materials)
- DPWH Department Order No. 202, s.1992
- BS 3262
- AASHTO M249
- ISO 9001 / ISO 14001

Typical Technical Parameters

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Typical Technical Parameters:

- Recommended application temperature: 180 – 210 ° C
- Typical dry film thickness (DFT): 1.5 – 3.0 mm (solid lines usually ≥ 3.2 mm for DPWH tenders)
- Glass bead dosage (drop-on): 350 – 850 g per m² (or 350 g/L molten material)
- Glass bead refractive index: typically ≥ 1.50
- Softening point: ≥ 100 ° C
- Skid resistance (SRT/BPN): ≥ 45
- Retroreflectivity (initial RL): ≥ 150 mcd • lx⁻¹ • m⁻²
- Binder: modified petroleum resin / C5 resin
- Packaging: 25 kg bags; jumbo bags available on request
- Shelf life: 12 months when stored dry and < 40 ° C
- Storage: keep sealed, cool and dry; avoid prolonged sunlight exposure

Recommended Application & QA:

- Surface: clean, dry, free of oil and loose material
- Equipment: thermoplastic screed or spray machine; temperature control essential

- Thickness control: use thickness gauge and material consumption records for acceptance
- Bead strategy: premix and/or drop-on depending on project requirements; perform night RL checks
- Warranty & testing: supply with batch COA, SGS test report, and sample panels on request

Commercial & Support

- Factory / Exporter: TIANHUA Traffic (China)
- CIF Manila Price Guide: USD 350 - 850 per ton
- MOQ: typically 5 tons; samples available upon request
- OEM & private label: available for qualified distributors
- Technical support: on-site training, application guidance, and QC checklists provided
- Joint venture & local production: partnership models available

Packaging & Storage

- 25 kg bags (plastic-lined); jumbo bags available
- Store below 40°C in dry conditions
- Shelf life: 12 months

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Authorized by TIANHUA Traffic Export Department

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