

TECHNICAL DATA SHEET

Product Series: Standard Polyester [PP]

Revision Date: May 18, 2026

1. PRODUCT IDENTIFICATION

- **Product Name:** RAL 1003 - Signal Yellow - Glossy
- **Product Code:** PP-1003-000-80-SM-R
- **Color:** Yellow
- **Resin Type:** Standard Polyester [PP]
- **Finish:** Smooth

2. PHYSICAL PROPERTIES

Property	Test Method	Result
Gloss at 60°	ASTM D523	"Glossy" [70GU - 90GU]
Specific Gravity	Theoretical	1.5±0.1 g/cm ³
Adhesion	ASTM D3359	100% (5B)
Hardness	ASTM D3363	1H - 2H Minimum
Impact Resistance	ASTM D2794	100 - 120 in-lbs (Direct/Reverse)
Salt Spray	ASTM B117-16	1000+ Hours
Humidity Resistance	ASTM D2247	1000+ Hours
Chemical Resistance	Internal	Excellent

3. APPLICATION & CURING

Application Parameters

- **Method:** Corona
- **Recommended Film Thickness:** 2.0 – 3.0 mils
- **Theoretical Coverage:** 110 sq.ft/lb/mil

Curing Schedule (Metal Temperature)

- **Temperature:** 200C [400F]
- **Time:** 10min
- *Note: Actual oven dwell time may vary based on substrate mass.*

4. STORAGE & SHELF LIFE

- **Conditions:** Store in a cool, dry area.
- **Max Temperature:** 27°C (80°F).
- **Shelf Life:** 12–24 months from date of manufacture if kept in original sealed container.

5. IMPORTANT NOTICE

The technical data provided is based on laboratory testing and raw material supplier data. Kroma Coatings Technology LLC provides this information in good faith but offers no express or implied warranty regarding performance or suitability for a specific application. Results depend on substrate preparation and application conditions.

6. COMPANY CONTACT

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