

RADIANT TPG 100-AA1

THERMAL LAMINATION FILM - GLOSS

BIAXIALLY ORIENTED POLYPROPYLENE (BOPP)

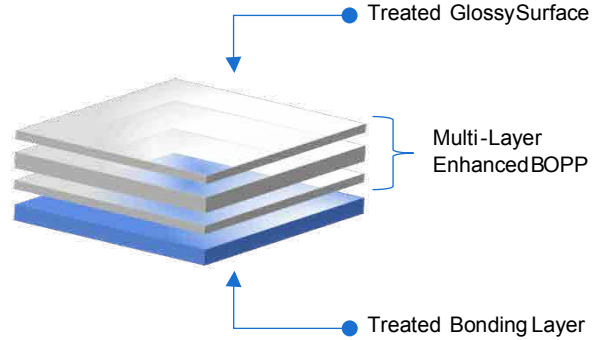
Product Description

RADIANT™ TPG 100-AA1 is a clear, two -side treated BOPP film with an extrusion coated bonding surface specifically designed for thermal lamination with a variety of printed and unprinted paper, paperboard, and cardboard.

Key Features

- High gloss and excellent clarity
- High bond strength with paper
- Suitable for one-side and two-side laminations
- Excellent anti-static property for robust processing
- Controlled and low COF
- Compatible with hot stamping

Construction



Applications and Conversion

- Product is designed as an overlamine film for book covers, magazine covers, premium cosmetic, and beverage boxes
- Adhesive will provide strong bonds to media printed with normal oxidative offset inks and UV offset inks
- The printed surface should be well dried prior to lamination
- For two-side laminations, allow enough cooling time between lamination operations
- Application-specific suitability testing is recommended for coating, printing and laminating processes

Typical Properties

Property		Unit	22 TPG 100-AA1	25 TPG 100-AA1	Test Method
Unit Weight		g/m ²	20.0	22.0	Internal Method
		lb/ msi	0.028	0.030	
Yield		m ² /kg	50	47.6	ADTM D 4321
		in ² /lb	35,269	33,613	
Gloss	45°	%	58	58	ASTM D 2457
Treatment	Glossy Side	mN/m	38	38	ASTM D 2578
	Bonding Side		40	42	
COF	Dynamic	-	0.25	0.25	ASTM D 1894
Lamination Temperature	Bonding Side	°C	90-110	90-110	ASTM D 1204
		°F	195-230	195-230	

The technical information and data shown on this page should be considered representative or typical only and should not be used for specification purposes.

Availability

TPG100-AA1 rolls are wound with adhesive side in; TPG100-AA2 rolls are wound with adhesive side out . Alternative film thicknesses are possible subject to negotiation .

Regulation

RADIANT™TPG100 family of films comply with the applicable FDA and European legislation for most applications involving direct food contact. For specific applications please request Coatall's Declaration of Compliance document.

Storage

Store in a dry (preferably <50% RH) location at 2°C (35°F) to 30°C (85°F). This product is suitable for use for 6 months from the date of delivery.