

CHARACTERISTICS

Unoriented polyester film, **Triniflex® cPET-G**, is obtained by extrusion on a water-cooled chill-roll. The process yields an amorphous film of perfect dimensional stability. **Triniflex® cPET-G's** excellent optic properties and good barrier parameters, combined with heat sealing and shape memory properties make it an alternative to BOPET film. It also can be used for other specific applications, for which BOPET film is unsuitable. Triniflex® cPET-G film may be used for applications for which cellulose films have been used so far. In some applications it can also replace stiff polypropylene and PVC films. There are many types of polyester film available, depending on its intended use (triniflex® cPET-G lamination, twist, barrier, thermoforming, heat sealing).

APPLICATIONS

- lamination
- printing
- metallization
- covering with barrier oxygen layers (aluminium Al, and silicon Si, oxides)
- shallow thermoforming

ADVANTAGES

- high transparency and gloss
- very good slip
- excellent adhesion
- lower sealing temperature in comparison with standard cPET
- shape memory, deadfold
- resistant to moulds, fats and lubricant

STORAGE

Triniflex® cPET-G should be stored in dry places, away from heat sources. The film is available on rolls of a diameter depending on requirements, up to max. 60 cm, secured on pallets. The film may be transported in accordance with customer requirements.

TECHNICAL DATA

BASIC DATA

Thickness (µm)	25-150
Width (mm)	50 - 2000
Roll diameter (cm)	≤ 600
Core diameter (cm)	76, 152
Activated	outside/inside

EXAMPLE PROPERTIES | VALUE | TEST METHOD

Type of film	cPET GAG 100µm	
Density (g/cm ³) ± 3%	1,36	(PN-EN ISO 845)
Grammage (g/m ²) ± 5%	136	(PN-EN ISO 536)
Tensile strength (N/mm ²) - along (MD), no less than	42	(PN-EN ISO 527) (ASTM D 882-02)
Tensile strength (N/mm ²) - across (TD), no less than	46	
Coefficient of friction (foil/foil) no more than	0,05-0,2	(PN-EN ISO 8295) (ASTM D 1894)
Gloss (45°) (%) no more than	90	(PN-77/C-89098) (ASTM D2457)
Haze (%) no more than	2	(PN-84/C-89100) (ASTM D 1003)
Treatment level (mN/m), no more than	50	(PN-C-89438) (ASTM D 2578)
Sealing temperatures range (°C)	115-135	(PN-81/C-89092)

The technical data listed above is based on laboratory results and are for informative purposes only. The provided technical data do not represent guaranteed parameters. The Chemical Plant „NITRO-CHEM” S.A. reserves a right to amending this table.