



TXP[®] Extruded Polyester

We recommend Transilprint put up for offset printing this material.

DESCRIPTION:

A clear, extruded polyester. Sometimes referred to as PETG. TXP[™] Extruded Polyester is available in gauges from .003 to .118 in sheets, rolls and in clear, white, and some colors.

CHARACTERISTICS:

- Exceptional strength and durability.
- High clarity.
- Can be sealed, folded, and formed.
- More economical than Oriented Polyester.

TECHNICAL DATA: All tests not otherwise noted were run at 73°F (23°C) and 50% relative humidity.

PROPERTIES of TXP FILM & SHEET		TYPICAL VALUES	TEST METHOD
THICKNESS of film tested	Mils	10	
	µm	250	
DENSITY - g/cm ³		1.27	ASTM-D1505
HAZE - %		0.5	ASTM-D1003
GLOSS @ 45°, Gardner rating		108	ASTM-D2457
TRANSPARENCY - %		60	ASTM-D1746
ELMENDORF TEAR STRENGTH - g	MD	125	ASTM-D1922
	TD	125	
TENSILE STRENGTH at YIELD - psi	MD	6900	ASTM-D882
	MPa	48	
	TD	7000	
	MPa	48	
TENSILE STRENGTH at FRACTURE - psi	MD	7300	
	MPa	50	
	TD	7000	
	MPa	48	
TENSILE MODULES of ELASTICITY - psi	MD - 10 ² psi	2.5	
	MPa	1720	
COEFFICIENT OF FRICTION - film-to-film		>1.0	ASTM-D1894
WATER VAPOR TRANSMISSION RATE - g/24h-m ²		6	ASTM-E 96E
GAS TRANSMISSION RATE - cm ² -mm/24h-m ² -atm	CO ₂	30	ASTM-D1434
	O ₂	10	
	N ₂	5	
IMPACT STRENGTH - 1/2 in.(13mm) dart @ 26 in.(660 mm), g	73°F (23°C)	425	ASTM-D1709 Modified
	32°F (0°C)	400	
	0°F (-18°C)	350	
SPECIFIC GRAVITY - g/cm ²		1.27	ASTM-D792
DEFLECTION TEMPERATURE	264 psi (1.82 MPa) - °F (°C)	145 (63)	ASTM-D648
	66 psi (455 kPa) - °F (°C)	158 (70)	
TENSILE STRENGTH at YIELD - psi	MD	7100	ASTM-D638
	MPa	49	
TENSILE STRENGTH at FRACTURE - psi	MD	4000	
	MPa	28	
ELONGATION at FRACTURE- %		180	ASTM-D790
FLEXURAL MODULUS of ELASTICITY	10 ² psi	2.9	
	MPa	2000	
FLEXURAL STRENGTH	psi	10,000	
	MPa	69	

NOTE: All information, recommendations and suggestions contained herein, including, without limitations, stated values (collectively the "Information") shall be used only as a guide by Purchaser and not for specification or any other purpose. The information does not constitute a warranty nor guaranty of any type whatsoever. Purchaser should independently determine the suitability of all material purchased and must confirm adaptability and other characteristics by conducting its own tests. Transilwrap shall have no liability as a result of any loss, expense, damage, cost or other injury which results from Purchaser's reliance on the Information.

