# **TEKNIFLEX® ECO P5P**

### PP/COC/EVOH/PP Film

#### Tekni-Films, a div of Tekni-Plex

#### Message:

Tekniflex® ECO series are designed for the blister packaging of Pharmaceutical products requiring good moisture and oxygen barrier. Tekniflex® ECO series are transparent, FDA-compliant, Pharmaceutical Grade PP.COC.EVOH.PP film co-extrusions, which can be easily be thermoformed into blister packs. Tekni-Plex offers a wide range of COC-based film structures to meet both performance and cost requirements.

Features   Moisture Barrier     Oxygen Barrier     Uses   Pharmaceutical Packaging Thermoforming Applications     Agency Ratings   DMF 1378     EP Unspecified Rating FDA Unspecified Rating USP Unspecified Rating     FDA Unspecified Rating     Vorgen arrive     Clear/Transparent     Forms   Film     Processing Method   Thermoforming     Physical   Nominal Value   Unit     Specific Gravity   0.970   g/cm³     Dimensional Stability <sup>1</sup> (140°C)   -4.0 to 4.0   %     Films   Nominal Value   Unit     Film Thickness <sup>2</sup> 260   µm     Yield   3.95   m²/kg     Roll Width <sup>3</sup> < 110.00   cm     Thermoforming Molding Temperature   100 to 160   °C     Tensile Strength - MD (Yield)   42.8   MPa     Oxygen Transmission Rate (23°C, 100%   EPU   EPU	General Information		
Uses   Pharmaceutical Packaging Thermoforming Applications     Agency Ratings   DMF 1378     EP Unspecified Rating FDA Unspecified Rating USP Unspecified Rating   EP Unspecified Rating     Appearance   Clear/Transparent     Forms   Clear/Transparent     Processing Method   Thermoforming     Physical   Nominal Value   Unit     Specific Gravity   0.970   g/cm³     Dimensional Stability <sup>1</sup> (140°C)   -4.0 to 4.0   %     Films   Nominal Value   Unit     Film Thickness <sup>2</sup> 260   µm     Yield   3.95   m²/kg     Roll Width <sup>3</sup> < 110.00	Features	Moisture Barrier	
Agency Ratings   DMF 1378     EP Unspecified Rating   FDA Unspecified Rating     FDA Unspecified Rating   USP Unspecified Rating     VSP Unspecified Rating   USP Unspecified Rating     Appearance   Clear/Transparent     Forms   Film     Processing Method   Thermoforming     Physical   Nominal Value   Unit     Specific Gravity   0.970   g/cm³     Dimensional Stability <sup>1</sup> (140°C)   -4.0 to 4.0   %     Films   Nominal Value   Unit     Film Thickness <sup>2</sup> 260   µm     Yield   3.95   m²/kg     Roll Width <sup>3</sup> < 110.00		Oxygen Barrier	
Agency Ratings   DMF 1378     EP Unspecified Rating   FDA Unspecified Rating     FDA Unspecified Rating   USP Unspecified Rating     VSP Unspecified Rating   USP Unspecified Rating     Appearance   Clear/Transparent     Forms   Film     Processing Method   Thermoforming     Physical   Nominal Value   Unit     Specific Gravity   0.970   g/cm³     Dimensional Stability <sup>1</sup> (140°C)   -4.0 to 4.0   %     Films   Nominal Value   Unit     Film Thickness <sup>2</sup> 260   µm     Yield   3.95   m²/kg     Roll Width <sup>3</sup> < 110.00			
Agency Ratings   DMF 1378     FP Unspecified Rating   FP Unspecified Rating     VDSP Unspecified Rating   USP Unspecified Rating     VSP Unspecified Rating   VSP Unspecified Rating     Appearance   Clear/Transparent     Forms   Film     Processing Method   Thermoforming     Physical   Nominal Value   Unit     Specific Gravity   0.970   g/cm³     Dimensional Stability <sup>1</sup> (140°C)   -4.0 to 4.0   %     Films   Nominal Value   Unit     Film Thickness <sup>2</sup> 260   µm     Yield   3.95   m²/kg     Roll Width <sup>3</sup> <110.00	Uses	Pharmaceutical Packaging	
EP Unspecified Rating     FDA Unspecified Rating     USP Unspecified Rating     USP Unspecified Rating     Appearance   Clear/Transparent     Forms   Film     Processing Method   Thermoforming     Physical   Nominal Value   Unit     Specific Gravity   0.970   g/cm <sup>3</sup> Dimensional Stability <sup>1</sup> (140°C)   -4.0 to 4.0   %     Film Thickness <sup>2</sup> 260   µm     Yield   3.95   m²/kg     Roll Width <sup>3</sup> < 110.00		Thermoforming Applications	
EP Unspecified Rating     FDA Unspecified Rating     USP Unspecified Rating     USP Unspecified Rating     Appearance   Clear/Transparent     Forms   Film     Processing Method   Thermoforming     Physical   Nominal Value   Unit     Specific Gravity   0.970   g/cm <sup>3</sup> Dimensional Stability <sup>1</sup> (140°C)   -4.0 to 4.0   %     Film Thickness <sup>2</sup> 260   µm     Yield   3.95   m²/kg     Roll Width <sup>3</sup> < 110.00			
FDA Unspecified Rating     USP Unspecified Rating     Appearance   Clear/Transparent     Forms   Film     Processing Method   Thermoforming     Physical   Nominal Value   Unit     Specific Gravity   0.970   g/cm³     Dimensional Stability <sup>1</sup> (140°C)   -4.0 to 4.0   %     Films   Nominal Value   Unit     Film Thickness <sup>2</sup> 260   µm     Yield   3.95   m²/kg     Roll Width <sup>3</sup> < 110.00	Agency Ratings	DMF 1378	
VSP Unspecified Rating     Appearance   Clear/Transparent     Forms   Film     Processing Method   Thermoforming     Physical   Nominal Value   Unit     Specific Gravity   0.970   g/cm³     Dimensional Stability <sup>1</sup> (140°C)   -4.0 to 4.0   %     Films   Nominal Value   Unit     Film Thickness <sup>2</sup> 260   µm     Yield   3.95   m²/kg     Roll Width <sup>3</sup> <110.00		EP Unspecified Rating	
Appearance   Clear/Transparent     Forms   Film     Processing Method   Thermoforming     Physical   Nominal Value   Unit     Specific Gravity   0.970   g/cm³     Dimensional Stability <sup>1</sup> (140°C)   -4.0 to 4.0   %     Films   Nominal Value   Unit     Film Thickness <sup>2</sup> 260   µm     Yield   3.95   m²/kg     Roll Width <sup>3</sup> < 110.00		FDA Unspecified Rating	
FormsFilmProcessing MethodThermoformingPhysicalNominal ValueUnitSpecific Gravity0.970g/cm³Dimensional Stability <sup>1</sup> (140°C)-4.0 to 4.0%FilmsNominal ValueUnitFilm Thickness <sup>2</sup> 260µmYield3.95m²/kgRoll Width <sup>3</sup> < 110.00		USP Unspecified Rating	
FormsFilmProcessing MethodThermoformingPhysicalNominal ValueUnitSpecific Gravity0.970g/cm³Dimensional Stability <sup>1</sup> (140°C)-4.0 to 4.0%FilmsNominal ValueUnitFilm Thickness <sup>2</sup> 260µmYield3.95m²/kgRoll Width <sup>3</sup> < 110.00			
Processing MethodThermoformingPhysicalNominal ValueUnitSpecific Gravity0.970g/cm³Dimensional Stability <sup>1</sup> (140°C)-4.0 to 4.0%FilmsNominal ValueUnitFilms 1260µmYield3.95m²/kgRoll Width <sup>3</sup> < 110.00	Appearance	Clear/Transparent	
PhysicalNominal ValueUnitSpecific Gravity0.970g/cm³Dimensional Stability <sup>1</sup> (140°C)-4.0 to 4.0%FilmsNominal ValueUnitFilms Thickness <sup>2</sup> 260μmYield3.95m²/kgRoll Width <sup>3</sup> < 110.00	Forms	Film	
Specific Gravity0.970g/cm³Dimensional Stability <sup>1</sup> (140°C)-4.0 to 4.0%FilmsNominal ValueUnitFilm Thickness <sup>2</sup> 260µmYield3.95m²/kgRoll Width <sup>3</sup> < 110.00	Processing Method	Thermoforming	
Dimensional Stability <sup>1</sup> (140°C)-4.0 to 4.0%FilmsNominal ValueUnitFilm Thickness <sup>2</sup> 260μmYield3.95m²/kgRoll Width <sup>3</sup> < 110.00	Physical	Nominal Value	Unit
FilmsNominal ValueUnitFilm Thickness 2260μmYield3.95m²/kgRoll Width 3< 110.00	Specific Gravity	0.970	g/cm <sup>3</sup>
Film Thickness 2260μmYield3.95m²/kgRoll Width 3< 110.00	Dimensional Stability <sup>1</sup> (140°C)	-4.0 to 4.0	%
Yield3.95m²/kgRoll Width 3< 110.00	Films	Nominal Value	Unit
Roll Width <sup>3</sup> < 110.00 cm   Thermoforming Molding Temperature 100 to 160 °C   Tensile Strength - MD (Yield) 42.8 MPa   Oxygen Transmission Rate (23°C, 100% V V	Film Thickness <sup>2</sup>	260	μm
Thermoforming Molding Temperature100 to 160°CTensile Strength - MD (Yield)42.8MPaOxygen Transmission Rate (23°C, 100%	Yield	3.95	m²/kg
Tensile Strength - MD (Yield)42.8MPaOxygen Transmission Rate (23°C, 100%	Roll Width <sup>3</sup>	< 110.00	cm
Oxygen Transmission Rate (23°C, 100%	Thermoforming Molding Temperature	100 to 160	°C
	Tensile Strength - MD (Yield)	42.8	MPa
Nrij 0.30 CIII /III /24 III	Oxygen Transmission Rate (23°C, 100% RH)	0.50	cm³/m²/24 hr
Water Vapor Transmission Rate (38°C, 90%RH)0.45g/m²/24 hr		0.45	g/m²/24 hr
Optical Nominal Value Unit	Optical	Nominal Value	Unit
Haze 3.0 %	Haze	3.0	%
NOTE	NOTE		
1. 30 minutes	1.	30 minutes	
2. Thickness tolerance: ±10%	2.	Thickness tolerance: ±10%	

Roll width tolerance: ±1.5 mm

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

