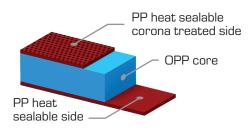
TATRAFAN 🛷 KXLFE

HEAT SEALABLE COEXTRUDED BOPP FILM WITH IMPROVED SLIP PROPERTIES

Description and Application

- Both-side heat sealable. One side corona treated.
- Transparent film with excellent optical properties (low haze, high gloss)
- Excelent slip properties (tailored for high slip performance)
- Good barrier properties (moisture,odor), and antiblocking properties.
- Typical applications: Print and lamination. Packaging of various food products, confectioneries, and textiles. High speed packoging of napkins, and similar products.





$\begin{tabular}{ c c c c } \hline $$ PROPERTIES $$ TEST METHOD $$ UNITS $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$$				
tolerance DIN 53370 m^{2} $= \pm 5$ Unit weight tolerance Internal method g/m^{2} 19.2 22.8 27.3 31.9 Yield m^{2}/kg 54.9 43.9 36.6 31.3 Tensile strength MD (min.) N/mm^{2} 54.9 43.9 36.6 31.3 Tensile strength MD (min.) DIN EN ISO N/mm^{2} $= 527.1/3$ 130°C MD (max.) DIN EN ISO $= 527.1/3$ $= 65$ $= 55$ MD (max.) $= 527.1/3$ $= 65$ $= 55$ $= 55$ MD (max.) $= 130^{\circ}C, 15min$ $= 65$ $= 55$ $= 55$ MD (max.) $= 130^{\circ}C, 15min$ $= 65$ $= 55$ $= 55$ MD (max.) $= 130^{\circ}C, 15min$ $= 65$ $= 55$ $= 55$ Water vapour ASTM F 1249 $g/m^{2}.24h.0, 1MPa$ $= 5.0$ $= 5.0$ permeability (max.) $= 23^{\circ}, 0\%$ r.h. $= 6m^{3}/m^{2}.24h.0, 1MPa$ $= 2200$ $= 1800$ $= 1300^{\circ}$ Dynamic coefficient of friction				
Itolerance % Image: Second se	40			
tolerance Internal method % Just 25 Yield method method method S4.9 43.9 36.6 31.3 Tensile strength MD (min.) N/mm2 Image: Strength				
Yield m²/kg 54,9 43,9 36,6 31,3 Tensile strength MD (min.] N/mm² I <thi< th=""> I <th< td=""><td>36,4</td></th<></thi<>	36,4			
Tensile strength MD (min.) TD (min.) DIN EN ISO 527-1/3 N/mm² 130 Elongation at break MD (max.) TD (max.) 527-1/3 % 200 5 Shrinkage MD (max.) TD (max.) 130°C, 15min 130°C, 15min % 200 55 Water vapour permeability (max.) ASTM F 1249 23°C, 85% r.h. 38°C.90% r.h. g/m².24h 1,5 1,2 1,0 0,9 Oxygen permeability (max.) DIN 53380 23°, 0% r.h. cm³/m².24h.0,1MPa 2200 1800 1500 1300 Dynamic coefficient of friction - film/film ASTM D 1894 - 0,15-0,25 0,15-0,25				
MD (min.) TD (min.) DIN EN ISO 527-1/3 N/mm² I30 I30 Elongation at break MD (max.) TD (max.) Since in the inference infere	27,5			
TD (min.) DIN EN ISO Second S				
Elongation at break 527-1/3 % 200 MD (max.) % 200 65 TD (max.) 130°C, 15min % 55 Shrinkage 130°C, 15min % 55 MD (max.) 130°C, 15min % 55 TD (max.) 130°C, 15min % 55 Water vapour ASTM F 1249 3,5 3,5 Water vapour ASTM F 1249 g/m².24h 1,5 1,2 1,0 0,9 38°C.90% r.h. 38°C.90% r.h. g/m².24h.0,1MPa 1800 5,0 4,5 Oxygen permeability (max.) DIN 53380 cm³/m².24h.0,1MPa 2200 1800 1300 0ynamic coefficient of friction - film/film ASTM D 1894 - 0,15-0,25 0,15-0,25	130			
MD (max.) MD (max.) % 200 TD (max.) 65 Shrinkage ASTM F 1249				
TD (max.) Image				
Shrinkage MD (max.) TD (max.) 130°C, 15min % 5 Water vapour permeability (max.) ASTM F 1249				
MD (max.) TD (max.) 130°C, 15min % 5 TD (max.) ASTM F 1249 a a a a Water vapour ASTM F 1249 g/m².24h 1,5 1,2 1,0 0,9 permeability (max.) 23°C, 85% r.h. g/m².24h 1,5 1,2 1,0 0,9 S8°C.90% r.h. 38°C.90% r.h. 7,0 6,0 5,0 4,5 Oxygen permeability (max.) DIN 53380 am³/m².24h.0,1MPa 2200 1800 1300 (max.) 23°, 0% r.h. cm³/m².24h.0,1MPa 2200 1800 1300 1300 fmax.) ASTM D 1894 - - 0,15-0,25 0,15-0,25				
TD (max.) ASTM F 1249 ASTM P 123° C, 85% r.h. ASTM P 123° C, 85% r.h. ASTM P 123° C, 90%				
Water vapour permeability (max.) ASTM F 1249 23°C, 85% r.h. 38°C.90% r.h. g/m².24h 1,5 1,2 1,0 0,9 Oxygen permeability (max.) DIN 53380 23°, 0% r.h. g/m².24h.0,1MPa 2200 1800 1500 1300 Dynamic coefficient of friction - film/film ASTM D 1894 - 0,15 - 0,25				
permeability (max.) 23°C, 85% r.h. 38°C.90% r.h. g/m².24h 1,5 1,2 1,0 0,9 Oxygen permeability (max.) DIN 53380 23°, 0% r.h. cm³/m².24h.0,1MPa 2200 1800 1500 1300 Dynamic coefficient of friction - film/film ASTM D 1894 - - 0,9 0,9				
38°C.90% r.h. 7,0 6,0 5,0 4,5 Oxygen permeability (max.) DIN 53380 23°, 0% r.h. cm³/m².24h.0,1MPa 2200 2200 1800 1500 1300 Dynamic coefficient of friction - film/film ASTM D 1894 - 0,15 - 0,25				
Oxygen permeability (max.) DIN 53380 23°, 0% r.h. cm³/m².24h.0,1MPa 2200 1800 1500 1300 Dynamic coefficient of friction - film/film ASTM D 1894 - 0,15 - 0,25	0,8			
(max.) 23°, 0% r.h. cm³/m².24h.0,1MPa 2200 1800 1500 1300 Dynamic coefficient 0,15 - 0,25	4,0			
Imax. 23°, 0% r.h. Imax.	1100			
of friction - film/film ASTM D 1894 - 0,15 - 0,25	1100			
,				
untreated /untreated side				
,				
Seal temperature Internal method °C 105 - 140				
range				
Seal strength 120°C, 1,0s, N/15 mm 2,0				
(min.) 0,3MPa	ε,υ			
Gloss (20°) (min.) ASTM D 2457 % 90				
Haze (max.) ASTM D 1003 % 1,6 1,8 2,0 2,2	2,4			
Surface tension (min.) ASTM D 2578 mN/m 38				

* After production ** After storage *** Typical values

TATRAFAN 🗇 [®] KXLFE

HEAT SEALABLE COEXTRUDED BOPP FILM WITH IMPROVED SLIP PROPERTIES

HANDLING AND STORAGE

The product does not present special safety requirements during handling and storage. In order to maintain their properties and to ensure good processability, the film should be stored avoiding high humidity and high temperature conditions. Do not exceed an ambient temperature of 40°C (transport temperature beetween (-20 + 30)°C and relative humidity of 80%. The product should be protect away from direct sunlight and heat (steam lines or other). Take measures against electrostatic discharges – the film will accumulate electrostatic charge of the web – it could by cause an electrical spark (ignition source). Keep away from source of ignition.

General notes:

Do not handle or store near an open flame, sources of the heat orignition. Store in cool, dry area, away from direct heat or sunlight (Film for food packaging applications keep away from hazardous chemicals). Film properties are guaranteed for 6 month from the date of production.



	Bobbin	
KXLFE	Core diameter (mm)	Outside diameter (mm)
20	76*; 76,8*; or 152*	
25		
30		Max. 780*
35		
40		
		* O L = = =

*Standard

ENVIRONMENT

When disposed of under orderly conditions no environmental damage effects occur. During burning under free air conditions only CO2, CO and water arise. Does not contain additives based on heavy metals (Cd,PB,HG,Cr). This product is expected to persist.

OTHER INFORMATION

This information and recommendation is based on Terichem s best knowledge and belief accurate and reliable as of the date indicated.

However, no representation, waranty or guarantee is made with regards to accuracy, reliability or completeness. Conditions of use of the material are under the control of the user, therefor it is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.



TATRAFAN, s.r.o. Štúrova 101 059 21 Svit Slovakia tel:+421 52 715 328

tel.:+421 52 715 3285 fax:+421 52 715 2303 mail: sales@tatrafan.com

tatrafan.com