

Transparent High Barrier Film

SiO_x-PET <B-PT12C>

Structure:

Top coating
SiO _x deposit
Primer
BOPET substrate 12micron

Application:

- Retort pouches, packages
- Pet food packaging
- Snacks, bakery, sauce-package

Features:

- Recommend for retorted and boil usage
- Eco-friendly
- Mono-material compatible
- Transparent. Non-metal
- No chlorine gas release
- Excellent barrier properties, as well as weather resistance
- Good aroma retention
- Flexible, with excellent bending resistance
- Microwave safe. No interference with metal detector, RFID IC tags
- Easy to laminate, print, etc during packaging process
- Almost no residue upon complete combustion

Item		Specification	Result*	Test Method
Thickness		12±1micron	12.2micron	GB/T 6672-2001
Tensile Strength	MD	≥170Mpa	210Mpa	GB/T 1040.3-2006
	TD	≥170Mpa	241Mpa	
Elongation at break	MD	≤170%	92%	GB/T 1040.3-2006
	TD	≤170%	81%	
Oxygen Transmission Rate OTR (23°C, 50%RH)	Before streaming	≤0.5cc/m ² /day	0.3cc/m ² /day	ASTM D3985
Water Vapor Transmission Rate WVTR (38°C, 90%RH)	Before streaming	≤1g/m ² /day	0.68g/m ² /day	ASTM F1249
Optical Transmittance		≥89%	89.70%	GB/T 2410-2008
Haze		≤5%	3.51%	GB/T 2410-2008
Printability				
Surface Tension	Coating side	≥46dyn/cm	50dyn/cm	GB/T 14216-2008
	Non coating side	/	32dyn/cm	
Retort				
121°C, 30 minutes		Compatible		

※Figures above are only representative values, and not guaranteed values.

※WVTR, OTR data obtained by Mocon apparatus.

Storage: <40°C, 60%RH, keep cool.

Shelf life: 12 months