

Transparent High Barrier Film

SiO_x-PA <S-PA15C>

Structure:

Top coating
SiO _x deposit
Primer
PA substrate 15micron

Application:

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

Features:

- Recommend for retorted and boil usage
- Eco-friendly
- Mono-material compatible
- Transparent. Non-metal
- No chlorine gas release
- Weather resistance
- Oxygen barrier
- 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		15±1micron	15micron	GB/T 6672-2001
Tensile Strength	MD	≥180Mpa	242Mpa	GB/T 1040.3-2006
	TD	≥180Mpa	236Mpa	
Elongation at break	MD	≤180%	93%	GB/T 1040.3-2006
	TD	≤180%	112%	
Oxygen Transmission Rate OTR (23°C, 50%RH)	Before streaming	≤0.5cc/m ² /day	0.13cc/m ² /day	ASTM F1927
Optical Transmittance		≥89%	91.11%	GB/T 2410-2008
Haze		≤7%	3.05%	GB/T 2410-2008
Printability				
Surface Tension	Coating side	≥50dyn/cm	56dyn/cm	GB/T 14216-2008
	Non coating side	/	52dyn/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