

Technology data for BOPS Sheets (polystyrene sheets) for food container
BOPS性能指标
CLEAR BOPS SHEET PROPERTIES

Properties	ASTM Test Method	Value
General		
1. Specific Gravity	D1505	1.05g/cc
2. FDA Approved Grades		yes
3. EEC Approved Grades	90/128/EEC	yes
4. Light Properties	D1003	92%
5. Aging Properties		
6. Indoors		Excellent
7. Outdoors		Limited
Mechanical		
1. Tensile Strength	D882	>55Mpa
2. Elongation	D882	4%(+1)
3. Shrink Tension	D2838	0.6~1.5
4. Hardness(Rockwell M)	D785	85
Thermal		
Continuous Heat Resistance		175°F(79°C)
Flammability		Slow Burning
Thermal Conductivity	C177	$20 \times 10^{-4} \text{ cal/sec/cm}^2/\text{°C/cm}$
Thermal Expansion	D696	$6.8 \times 10^{-5} \text{ in/in/°C}$
Heat Sealing Range		250-350°F(121-177°C)
Chemical		
Acids	D543	Excellent
Strong Acids	D543	Attacked by Oxidizing Acids
Strong Alkalies	D543	Excellent
Alcohols	D543	Good
Fat, Graese & Oil	D543	Good