

MELT - 3.0

GRAVITY - 1.04

SIS-030 is a certified prime grade developed for EXTRUSION-THERMOFORMING applications requiring good elongation and rigidity. The low residual volatiles of the resin makes it particularly suitable for packaging taste and odor sensitive articles. **SIS-030** complies with FDA regulation 21CFR 177.1640, and with most international regulations concerning the use of Polystyrene in contact with food articles.

Features:

- Good flow
- High elongation
- High impact resistance
- High rigidity
- High tensile strength
- Low residuals
- Low to no odor and taste

Typical Applications:

- Deep-draw vacuum-forming tubs for ice-cream
- Drink and yogurt cups
- Lids
- Plates
- Customized multiplayer sheet coextrusion

PROPERTIES	ASTM	UNIT	VALUES
PHYSICAL			
Specific Gravity	D792		1.04
Melt Mass-Flow Rate (200°C/5.0 kg)	D1238	g/10 min	3.0
MECHANICAL (Injection Molded)			
Tensile Modulus	D638	psi	319k
Tensile Strength (Yield, 0.20 in/min)	D638	psi	3600
Tensile Elongation (Break, 0.20 in/min)	D638	%	45
Flexural Modulus - 1% Secant (0.051in/min)	D790	psi	330k
Notched Izod Impact (.125 in)	D256	ft-lb/in	2.2
Rockwell Hardness (R-Scale)	D785		55
HDT (264psi, Unannealed)	D648	°F	199
Vicat Softening Temperature	D1525	°F	216