

MELT - 1.5

Gravity - 1.05

SGS-015 is a certified prime grade High Molecular Weight specially developed for EXTRUSSION-THERMOFORMING of foamed sheet used in critical taste and odor sensitive applications. **SGS-015** complies with FDA regulation 21CFR 177.1640 and with most international regulations concerning the use of Polystyrene in contact with food.

Features:

- Good processability
- High clarity
- High heat resistance
- High molecular weight
- High viscosity
- Low residuals
- Low to no taste

Typical Applications:

- Foamed sheet for use in egg cartons
- Meat and produce trays
- fast food and dinnerware packaging
- extrusion of solid sheet
- biaxially oriented (OPS) polystyrene sheet for cookie and cake trays

PROPERTIES	ASTM	UNIT	VALUES
PHYSICAL			
Specific Gravity	D792		1.05
Melt Mass-Flow Rate (200°C/5.0 kg)	D1238	g/10 min	1.5
MECHANICAL (INJECTION MOLD)			
Tensile Modulus	D638	psi	430k
Tensile Strength (Yield)	D638	psi	7600
Tensile Elongation (Break)	D638	%	1.5
Flexural Modulus - 1% Secant	D790	psi	430k
Notched Izod Impact (0.125 in.)	D256	ft-lb/in	0.30
Rockwell Hardness (R-Scale)	D785		78
HDT (Under Load 264 psi, Unannealed)	D648	°F	212
Vicat Softening Temperature	D1525	°F	225