

MELT - 17

Gravity - 1.04

SGM-170 is a certified prime high flow GPPS grade and is excellent over intricated molds and thin wall applications. It is optimal for high injection molding cycles. **SGM-170** complies with FDA regulation 21CFR 177.1640 and with most international regulations concerning the use of Polystyrene in contact with food.

Features:

- High flow
- High productivity
- Easy processability

Typical Applications:

- Injection Molding
- Disposable cups
- Toys

PROPERTIES	ASTM	UNIT	VALUES
PHYSICAL			
Specific Gravity	ISO 1183	g/cm ³	1.04
Melt Mass-Flow Rate (200°C/5.0 kg)	D1238	g/10 min	17
MECHANICAL (INJECTION MOLD)			
Tensile Modulus	D638	psi	400k
Tensile Strength (Break)	D638	psi	4800
Tensile Elongation (Break)	D638	%	2
Flexural Modulus - 1% Secant	D790	psi	430k
Notched Izod Impact (0.5 in.)	D256	ft-lb/in	0.30
Transmittance	D1003	%	90
HDT (Under Load 264 psi, Unannealed)	D648	°F	165
Vicat Softening Temperature	D1525	°F	178