

## GS-015 General Purpose Polystyrene

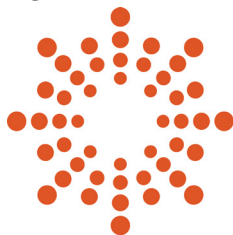
**GS-015** is a High Molecular Weight certified prime resin developed for use in taste & odor sensitive applications. **GS-015** is designed for easy processability of extrusion-thermoforming foamed sheet and offers high melt viscosity, excellent clarity, very low residual volatiles, good cell structure formation, and high heat resistance to provide excellent performance in hot food packaging. **GS-015** complies with FDA regulation 21CFR 177.1640 and with most international regulations concerning the use of Polystyrene in contact with food.

PROPERTIES	ASTM	UNIT	NOMINAL VALUES
<b>PHYSICAL</b>			
Melt Flow Rate (200°C, 5.0 kg)	D1238	g/10 min	1.5
Specific Gravity	D792		1.05
Rockwell Hardness (M-Scale) Inj. Molded	D785		78
<b>MECHANICAL</b>			
Flexural Modulus <sup>1</sup> (1% Secant)	D790	psi	430k
Tensile Modulus	D638	psi	430k
Tensile Strength @ Yield <sup>2</sup>	D638	psi	7600
Notched Izod Impact (0.125 in Inj.)	D256	ft-lb/in	0.30
Tensile Elongation @ Break <sup>2</sup>	D638	%	1.5
HDT Under Load (264 psi Unannealed)	D648	°F	212
Vicat Softening Temperature	D1525	°F	225

Typical Value of Properties not to be construed as specifications

1 - @ 0.051 in/min

2 - @ 2 in/min.



## Genesis Polymers

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