

GS-080

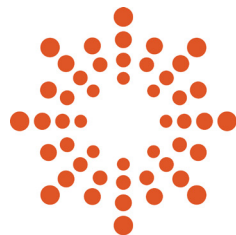
General Purpose Polystyrene

GS-080 is an easy processing general purpose certified prime grade resin specially developed for injection molding general purpose applications. **GS-080** offers good balance of processability and high heat properties. **GS-080** complies with FDA regulation 21CFR 177.1640 and with most international regulations concerning the use of Polystyrene in contact with food articles.

PROPERTIES	ASTM	UNIT	NOMINAL VALUES
PHYSICAL			
Melt Flow Rate (200°C, 5.0kg)	D1238	g/10 min	8.0
Specific Gravity	D792		1.04
Rockwell Hardness (M-Scale)	D785		75
MECHANICAL			
Flexural Modulus ¹ (1% Secant)	D790	psi	440k
Tensile Modulus (Inj. Molded)	D638	psi	430k
Tensile Strength @ Yield ²	D638	psi	6500
Notched Izod Impact (0.125 in. Inj.)	D256	ft-lb/in	0.30
Tensile Elongation @ Break ²	D638	%	2.0
HDT Under Load (264 psi Unannealed)	D648	°F	214
Vicat Softening Temperature	D1525	°F	221

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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