

HS-030

High Impact Polystyrene

HS-030 is a certified prime resin designed for extrusion-thermoforming applications requiring good rigidity and elongation. The low residual volatiles of this resin makes it particularly suitable for packaging taste and odor sensitive articles. **HS-030** is a medium-flow grade that offers excellent melt uniformity and consistency of flow, superior impact resistance and very good extrusion and thermoform processability. **HS-030** 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	3.0
Specific Gravity	D792		1.05
Rockwell Hardness (R-Scale)	D785		55
MECHANICAL			
Flexural Modulus ¹ (1% Secant)	D790	psi	330k
Tensile Modulus	D638	psi	319k
Tensile Strength @ Yield ²	D638	psi	3600
Notched Izod Impact (0.125 in Inj.)	D256	ft-lb/in	2.2
Tensile Elongation @ Break ²	D638	%	45
HDT Under Load (264 psi Unannealed)	D648	°F	199
Vicat Softening Temperature	D1525	°F	216

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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