

HS-035S

High Impact Polystyrene

HS-035S 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-035S** is a medium-flow grade that offers excellent melt uniformity and consistency of flow, superior impact resistance, good ESCR, and good deep draw thermoform processability. **HS-035S** complies with FDA regulation 21CFR 177.1640, and with most international regulations concerning the use of Polystyrene in con-tact with food articles.

PROPERTIES	ASTM	UNIT	NOMINAL VALUES
PHYSICAL			
Melt Flow Rate (200°C, 5.0kg)	D1238	g/10 min	2.8
Flame Retardant		(no HBCD)	NO
MECHANICAL			
Flexural Modulus ¹ (1% Secant)	D790	psi	300k
Tensile Modulus	D638	psi	
Tensile Strength @ Yield ²	D638	psi	
Notched Izod Impact (0.125 in Inj.)	D256	ft-lb/in	3
Tensile Elongation @ Break ²	D638	%	
HDT Under Load (264 psi Unannealed)	D648	°F	
Vicat Softening Temperature	D1525	°F	214

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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