

HP-007

High Melt Strength Polypropylene

HP-007 is a Polypropylene certified prime grade designed for specialty applications requiring superior tensile strength and toughness. **HP-007** combines excellent processability with high degree of thermal stabilization, high melt strength and outstanding mechanical properties of end-products. **HP-007** recommended processing temperature is between 210° to 230°C. **HP-007** complies with FDA regulation 21CFR 177.1520 and with most international regulations concerning the use of Polypropylene in contact with food.

PROPERTIES	ASTM	UNIT	NOMINAL VALUES
PHYSICAL			
Melt Flow Rate (230°C, 2.16kg)	D1238	g/10 min	0.70
Density	D1505	g/cm ³	0.907
MECHANICAL			
Flexural Modulus ¹ (1% Secant)	D790	psi	245k
Tensile Strength @ Yield ²	D638	psi	5400
Notched Izod Impact (73°F)	D256	ft-lb/in	2.3
Tensile Elongation @ Yield ²	D638	%	60
HDT Under Load (66 psi Unannealed, Inj.)	D648	°F	237
Tensile Modulus - Inj. Molded	D638	psi	245k
Vicat Softening Temperature	D1525	°F	306

Typical Value of Properties not to be construed as specifications

1 - @ 0.051 in/min

2 - @ 2 in/min.



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