

HP-040

High Melt Strength Polypropylene

HP-040 is a Polypropylene certified prime grade designed for extrusion of profile and cast film applications. **HP-040** combines excellent processability and high degree of thermal stabilization, with good melt strength, high tensile strength and good fibrillation tendency. **HP-040** recommended processing temperature is between 210° to 230°C. **HP-040** 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	4.0
Density	D1505	g/cm ³	0.905
Rockwell Hardness (R-Scale)	D785		91
MECHANICAL			
Flexural Modulus ¹ (1% Secant)	D790	psi	250k
Tensile Strength @ Yield ²	D638	psi	5100
Notched Izod Impact (73°F)	D256	ft-lb/in	0.80
Tensile Elongation @ Yield ²	D638	%	11
HDT Under Load (66 psi Unannealed, Inj.)	D648	°F	208
Vicat Softening Temperature	D1525	°F	304

Typical Value of Properties not to be construed as specifications

1 - @ 0.051 in/min

2 - @ 2 in/min.



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