

HP-010

Polypropylene Homopolymer

SureSpec HP-010 is a certified prime grade Polypropylene specially designed for Extrusion of Water-Quench Cast Film for Slit Tape applications. **HP-010** combines excellent processability, very good thermal stability and high degree of purity with Low Water carry-over and good balance of tape strength and orientation properties. Recommended processing temperatures of **HP-010** are 1) tape-210°C to 220°C in barrel and 230-250°C in head and 2) multifilament - 210° to 230°C. **HP-010** complies with FDA regulation 21CFR 177.1520 and with most international regulations concerning the use Polypropylene in contact and food articles.

PROPERTIES	ASTM	UNIT	NOMINAL VALUES
RESIN			
Melt Flow Rate (190 °C, 2.16kg)	D1238	g/10 min	1.3
FILM			
Flexural Modulus - 1% Secant (Inj)	D790	psi	185000
Tensile Strength @ Yield	D638	psi	4800
Elongation @ Yield	D638	%	11
IMPACT/HARDNESS			
Notched Izod Impact	D256A	ft-lb/in	0.50
Rockwell Hardness (R-Scale Inj.)	D785		101

Typical Value of Properties not to be construed as specifications

* Test Made on injection molded Type 1 tension test specimen according to ASTM D2146

