

SureSpec HP-010

Polypropylene Homopolymer

Genesis Polymers

Message:

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.

General Information			
Features	High purity		
	Homopolymer		
	Workability, good		
	Thermal stability, good		
	Compliance of Food Exposure		
	Low water portability		
Uses	Strap		
	cast film		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Extrusion		
	cast film		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.3	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	101		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	33.1	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	1280	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	27	J/m	ASTM D256A
Additional Information	Nominal Value	Unit	
Processing Temperature			
Multifilaments	210 - 230	°C	

Tape - in barrel	210 - 220	°C
Tape - in head	230 - 250	°C

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

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