

HP-005

Polypropylene Homopolymer

HP-005 is a Polypropylene certified prime grade designed for Profile Extrusion. **HP-005** combines excellent processability, enhanced Long-Term Thermal Stability. **HP-005** complies with FDA regulation 21CFR 177.1520 and with most international regulations concerning the use of Polypropylene in contact with food articles.

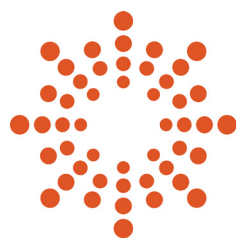
PROPERTIES	ASTM	UNIT	NOMINAL VALUES
RESIN			
Density	D1505	g/cm ³	0.903
Melt Flow Rate (190 °C, 2.16kg)	D1238	g/10 min	0.50
FILM			
Flexural Modulus - 1% Secant (Inj) ²	D790	psi	200k
Tensile Strength @ Yield* ¹	D638	psi	4900
Elongation @ Yield* ¹	D638	%	13
IMPACT/HARDNESS			
Notched Izod Impact*	D256A	ft-lb/in	1.3
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

1 - 2.0 in/min

2 - 0.051 in/min



**Genesis
Polymers**