

**MELT - 4.0**

**GRAVITY - 0.905**

**PHF-4** is a certified prime grade Polypropylene resin specially designed for extrusion of profiles & cast film applications. **PHF-4** recommended processing temperature is between 210°C to 230°C. **PHF-4** complies with FDA regulation 21CFR 177.1520 and with most international regulations concerning the use of Polypropylene in contact with food.

### Features:

- Excellent processability
- High degree of thermal stabilization
- Good melt strength
- High tensile strength

### Typical Applications:

- Stretched tapes
- Drinking straws
- Rope, tape & twine
- Flat films
- Monofilaments

PROPERTIES	ASTM	UNIT	VALUES
<b>PHYSICAL</b>			
Specific Gravity	D1505	g/cm <sup>3</sup>	0.905
Melt Flow Rate (230°C/2.16kg)	D1238	g/10 min	4.0
<b>MECHANICAL</b>			
Tensile Strength @ Yield (2 in/min)	D638	psi	5100
Elongation @ Yield (2 in/min)	D638	%	11
Flexural Modulus - 1% Secant (1.3mm/min)	D790	psi	250k
Notched Izod Impact (73°F)	D256A	ft-lb/in	0.80
Rockwell Hardness	D785	R Scale	91
HDT Under Load (66 psi) Unannealed injection	D648	°F	208
Vicat Softening Temperature	1525	°F	304