



## Pro-fax HP423M

### Polypropylene, Homopolymer

#### Product Description

Pro-fax HP423M controlled rheology polypropylene homopolymer is available in pellet form. This resin is typically used in cast film applications. It is formulated with slip additive.

For regulatory compliance information see Pro-fax HP423M Product Stewardship Bulletin (PSB).

#### Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	North America
Processing Methods	Extrusion Flat-die, Cast Film
Features	High Clarity, Low Coefficient of friction, High Gloss , Good Optical Properties, High Slip
Typical Customer Applications	Cast Film, Film

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density -Specific Gravity (Method B)	ASTM D 792	0.90	
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	8.5	
<b>Mechanical</b>			
Flexural Modulus	ASTM D 790		
(0.05 in/min, 1% Secant)		1275	MPa
(0.05 in/min, 1% Secant)		185000	psi
Tensile Strength @ Yield	ASTM D 638		
(2 in/min)		32.2	MPa
(2 in/min)		4680	psi
Tensile Elongation @ Yield	ASTM D 638	11	%
<b>Impact</b>			
Notched Izod Impact	ASTM D 256		
(23 °C, Method A)		43	J/m
(73 °F, Method A)		0.9	ft-lb/in
<b>Thermal</b>			
DTUL @66psi - Unannealed	ASTM D 648		
(0.45 MPa)		88	°C
(0.45 MPa)		190	°F

#### Notes

Typical properties; not to be construed as specifications.