

## Technical Data Sheet

### *Moplen* HP515M

Polypropylene, Homopolymer

#### Product Description

*Moplen* HP515M is a polypropylene homopolymer containing slip and anti-blocking additives.

*Moplen* HP515M is typically used by customers for cast films. *Moplen* HP515M is used by customers in many different applications, such as packaging and lamination films for foodstuffs (pasta, snacks, biscuits, bakery products and confectionery), or film for packaging of flowers and books stationery.

Films made with *Moplen* HP515M have been reported by customers to exhibit very high transparency and high gloss.

<b>Application</b>	Food Packaging Film; Lamination Film; Stationery Film; Textile Packaging Film
<b>Market</b>	Flexible Packaging
<b>Processing Method</b>	Cast Film
<b>Attribute</b>	Controlled Rheology; Good Stiffness; High Clarity; High Gloss; Homopolymer; Unspecified Antiblocking; Unspecified Slip

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	9.0	g/10 min	ISO 1133-1
Density	0.90	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Flexural Modulus	1300	MPa	ISO 178
Tensile Stress at Break	19	MPa	ISO 527-1, -2
Tensile Stress at Yield	32	MPa	ISO 527-1, -2
Tensile Strain at Break	600	%	ISO 527-1, -2
Tensile Strain at Yield	11	%	ISO 527-1, -2
<b>Thermal</b>			
Vicat Softening Temperature, (A/50)	153	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	85	°C	ISO 75B-1, -2