

# Moplen HP425J

Polypropylene Homopolymer

PolyMirae

Message:

Moplen HP425J is a modified polypropylene homopolymer containing a Calcium Stearate free stabilization package. It does not contain any slip or antiblocking additives.

Moplen HP425J is designed for the high speed production of BOPP films. It is used by customers for a broad range of applications including metallizable films and both plain and coextruded structures.

BOPP films produced with Moplen HP425J exhibit balanced mechanical properties, good transparency, gloss and enhanced shrinkage properties. For regulatory information please refer to Moplen HP425J Product Stewardship Bulletin (PSB).

General Information			
Features	Gloss, Medium		
	Homopolymer		
	Medium transparency		
Uses	Bi-axially Oriented Film		
	Packaging		
	Films		
	Food packaging		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	70		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1450	MPa	ISO 527-2/1
Tensile Strength			
Yield	33.0	MPa	ASTM D638
Yield	34.0	MPa	ISO 527-2/50
Tensile Elongation			
Yield	11	%	ASTM D638
Yield	10	%	ISO 527-2/50
Fracture	410	%	ISO 527-2/50
Flexural Modulus	1400	MPa	ASTM D790
Films	Nominal Value	Unit	Test Method
Tensile Modulus - Tangent <sup>1</sup> (20 µm)	2400	MPa	MA 18068
Tensile Stress <sup>2</sup> (Break, 20 µm)	116	MPa	MA 18068
Tensile Elongation <sup>3</sup> (Break, 20 µm)	29	%	MA 18068
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact	330	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, not annealed	93.0	°C	ASTM D648
0.45 MPa, not annealed	88.0	°C	ISO 75-2/B
Vicat Softening Temperature	152	°C	ISO 306/A50
Optical	Nominal Value	Unit	Test Method
Haze (20.0 μm)	0.50	%	ASTM D1003
NOTE			
1.	5 mm/min		
2.	50 mm/min		
3.	50 mm/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

