

# TIPPLEN® H 649 FH

Polypropylene Homopolymer

MOL Petrochemicals Co. Ltd.

## Message:

TIPPLEN H 649 FH is a homopolymer polypropylene for the production of biaxially oriented films. The grade contains reinforced processing stabilisation but does not contain any slip or antiblocking agents.

TIPPLEN H 649 FH is Ca-stearate free and it is particularly suitable for metallization both in monolayer and in coextruded structures.

BOPP films made from TIPPLEN H 649 FH have good mechanical properties, high impact strength and puncture resistance even at low temperatures. The BOPP film forms an excellent barrier against moisture, oils and oxidation and features good optical properties. Monolayer or coextruded films with a thickness range of 0.01 - 0.04 mm are used for packaging.

TIPPLEN H 649 FH is suitable for food contact. The product complies with Food Contact Regulations.

General Information	
Additive	Processing Stabilizer
Features	Food Contact Acceptable
	High Impact Resistance
	Homopolymer
	Low Temperature Impact Resistance
	Metallizable
	Moisture Barrier
	Oil Resistant
	Opticals
	Oxidation Resistant
	Puncture Resistant
	Recyclable Material
Uses	Bi-axially Oriented Film
	Film
	Multilayer Film
	Packaging
Forms	Pellets
Processing Method	Coextrusion
	Extrusion

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.5	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	99		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1600	MPa	ISO 527-2

Tensile Stress (Yield, Injection Molded)	38.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	10	%	ISO 527-2
Flexural Modulus (Injection Molded)	1700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C, Injection Molded)	7.0	kJ/m <sup>2</sup>	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	108	°C	ISO 75-2/B
Extrusion	Nominal Value	Unit	
Melt Temperature	190 to 240	°C	

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

