

# TIPPLEN® R 351 F

Polypropylene Random Copolymer

MOL Petrochemicals Co. Ltd.

## Message:

TIPPLEN R 351 F is a random copolymer polypropylene with a slip and antiblock package. The product shows high transparency and gloss and very good heat weldability. The seal initiation temperature is about 136 °C.

TIPPLEN R 351 F is recommended for extrusion of cast and water-quenched blown films. It is well suited for the packaging of foodstuff such as biscuits, sweets, pasta, tea and for the packaging of stationary, shirt etc.

TIPPLEN R 351 F is also recommended for quality packaging either as monolayer film or as welding layer in coextruded structures.

Because of the excellent heat weldability, TIPPLEN R 351 F is well suited for lamination of PP film or other materials such as PA, polyester or aluminium to form the sealing layer.

TIPPLEN R 351 F is suitable for food contact. The product complies with Food Contact Regulations.

General Information			
Additive	Antiblock		
	Slip		
Features	Food Contact Acceptable		
	High Clarity		
	High Gloss		
	Medium Antiblocking		
	Random Copolymer		
	Recyclable Material		
	Slip		
	Weldable		
Uses	Cast Film		
	Film		
	Food Packaging		
	Laminates		
	Packaging		
	Stationary Supplies		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Blown Film		
	Cast Film		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.5	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method

Rockwell Hardness (R-Scale)	77		ISO 2039-2
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Modulus (Injection Molded)	900	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	27.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	12	%	ISO 527-2
Flexural Modulus (Injection Molded)	900	MPa	ISO 178
<b>Films</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Seal Initiation Temperature	136	°C	
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Notched Izod Impact Strength (23°C, Injection Molded)	5.0	kJ/m <sup>2</sup>	ISO 180/A
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Heat Deflection Temperature (0.45 MPa, Unannealed)	74.0	°C	ISO 75-2/B
<b>Extrusion</b>	<b>Nominal Value</b>	<b>Unit</b>	
Melt Temperature	185 to 230	°C	

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#### Recommended distributors for this material

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