

# RANPELEN SFC-851

Polypropylene Terpolymer  
Lotte Chemical Corporation

Message:

RANPELEN SFC-851 is a controlled medium modified polypropylene random copolymer designed for cast film technology. It offers an excellent clarity and gloss, a very low haze, a wide hot tack range and a low seal-initiation temperature of 118°C. It is designed for quality packaging applications, as heat seal layer film. RANPELEN SFC-851 is easy processable on commercial cast film equipment. It contains slip and antiblock additives. RANPELEN SFC-851 is suitable for food contact.

General Information			
Additive	Antiblock		
	Slip		
Features	Antiblocking		
	Food Contact Acceptable		
	High Clarity		
	High Gloss		
	Low Temperature Heat Sealability		
	Random Copolymer		
	Slip		
Uses	Cast Film		
	Film		
	Packaging		
RoHS Compliance	RoHS Compliant		
Processing Method	Cast Film		
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)	7.0	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	75		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	19.6	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	> 500	%	ASTM D638, ISO 527-2
Flexural Modulus	686	MPa	ASTM D790, ISO 178
Coefficient of Friction (Cast Film)	< 1.0		Internal Method
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	98	J/m	ISO 180, ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	69.0	°C	ASTM D648, ISO 75-2/B
Melting Temperature	130	°C	Internal Method, ASTM D3418
Optical	Nominal Value	Unit	Test Method
Haze (30.0 µm, Cast Film)	< 2.0	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method
Heat Seal Temperature <sup>1</sup> (30.0 µm)	118	°C	Internal Method
NOTE			
1.	Cast Film		

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#### Recommended distributors for this material

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