

RANPELEN SFC-550

Polypropylene Random Copolymer
Lotte Chemical Corporation

Message:

RANPELEN SFC-550 is a controlled medium modified propylene random copolymer for manufacturing high transparent cast films. The product contains slip and anti-block agents. It offers good processability, excellent clarity and gloss and . The resin is specifically designed not to discolor and to provide excellent film optical properties. It is also suitable for production of stationary folders. RANPELEN SFC-550 is suitable for food contact.

General Information			
Additive	Antiblock		
	Slip		
Features	Antiblocking		
	Food Contact Acceptable		
	Good Processability		
	High Clarity		
	High Gloss		
	Opticals		
	Random Copolymer		
	Slip		
Uses	Cast Film		
	Film		
	Food Packaging		
	Packaging		
	Stationary Supplies		
RoHS Compliance	RoHS Compliant		
Processing Method	Cast Film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	26.5	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	> 500	%	ASTM D638, ISO 527-2
Flexural Modulus	981	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	78	J/m	ISO 180
23°C	25	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	80.0	°C	ASTM D648, ISO 75-2/B
Melting Temperature	148	°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 ¹ (30.0 µm)	132	°C	Internal Method
NOTE			
1.	Cast Film		

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