

RANPELEN SFC-550

PP RANDOM COPOLYMER

General Information

Description

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.

Applications

- ◆ General CPP Skin and Core Layer
- Packaging of foodstuffs, packaging of stationary, shirts and hosiery

Physical Properties¹

Physical	Nominal Value	Unit	Test Method
Melt Flow Index	8	g/10min	ASTM D1238
Density	0.90	g/cm ³	ASTM D792
Mechanical			
Tensile Stress (Yield)	270	kgf/cm ²	ASTM D638
Tensile Strain (Break)	>500	%	ASTM D638
Flexural Modulus	10,000	kgf/cm ²	ASTM D790
Notched Izod Impact Strength (23℃)	2.5	kgf·cm/cm	ASTM D256
Rockwell Hardness	85	R	ASTM D785
Thermal			
Melting Point	148	℃	ASTM D3418
Heat Deflection Temperature (4.6kgf/cm ²)	80	℃	ASTM D648
Film Properties			
Haze	<2.0	%	ASTM D1004
C.O.F	<1.0		LOTTE'S
Heat Seal Temp	132	℃	LOTTE'S

* Measured on 30 μ m CPP film made of SFC-550

NOTE

ISO 9001, 14001, /TS 16949

¹ Physical Properties : these are not to be construed as specifications

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Applications

- ◆ General CPP Skin and Core Layer
- ◆ Food Packaging

Physical Properties ¹					
Physical	Test Method	Nominal Values			
Melt Flow Index	ISO 1133	8	g/10min		
Density	ISO 1183	0.90	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ISO 527-1	270	kgf/cm ²	26	MPa
Tensile Strain (Break)	ISO 527-1	>500	%	>500	%
Flexural Modulus	ISO 178	10,000	kgf/cm ²	980	MPa
Notched Izod Impact Strength (23℃)	ISO 180	8	kgf·cm/cm	78	J/m
Rockwell Hardness	ISO 2039-2	85	R		
Thermal					
Melting Point	LOTTE'S	148	℃		
Heat Deflection Temperature (4.6kgf/cm ²)	ISO 75-1	80	℃		
Film Properties					
Haze	ASTM D1004	<2.0	%		
C.O.F	LOTTE'S	<1.0			
Heat Seal Temp	LOTTE'S	132	℃		

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NOTE

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