

## 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 Properties<sup>1</sup>

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

\* Measured on 30 $\mu$ m CPP film made of SFC-550

#### NOTE

ISO 9001, 14001, /ITS 16949

<sup>1</sup> Physical Properties : these are not to be construed as specifications

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#### Description

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#### Applications

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

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

\* Measured on 30 $\mu$ m CPP film made of SFC-550

### NOTE

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