

RANPELEN SFC-750R

PP RANDOM TERPOLYMER

General Information

Description

RANPELEN SFC-750R 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, roll mark free and a low Heat seal temperature of 120°C. It is designed for quality packaging applications, as heat seal layer film. RANPELEN SFC-750R is easy processable on commercial cast film equipment. It contains slip and antiblock additives. RANPELEN SFC-750R is suitable for food contact.

Applications

- ◆ Heat Seal Layer of General CPP

Physical Properties ¹					
Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	7	g/10min		
Density	ASTM D792	0.90	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	230	kgf/cm ²	22	MPa
Tensile Strain (Break)	ASTM D638	>500	%	>500	%
Flexural Modulus	ASTM D790	8,000	kgf/cm ²	784	MPa
Notched Izod Impact Strength (23°C)	ASTM D256	10.0	kgf-cm/cm	98	J/m
Rockwell Hardness	ASTM D785	82	R		
Thermal					
Melting Point	ASTM D3418	132	°C		
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	70	°C		
Film Properties					
Haze	ASTM D1004	<2.0	%		
C.O.F	LOTTE'S	<1.0			
Heat Seal Temp	LOTTE'S	120	°C		

* Measured on 30μm CPP film made of SFC-750R

NOTE

ISO 9001, 14001, /TS 16949

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

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Description

RANPELEN SFC-750R 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, roll mark free and a low seal-initiation temperature. It is designed for quality packaging applications, as heat seal layer film. RANPELEN SFC-750R is easy processable on commercial cast film equipment. It contains slip and anti-block additives. RANPELEN SFC-750R is suitable for food contact.

Applications

- ◆ Heat Seal Layer of General CPP

Physical Properties ¹					
Physical	Test Method	Nominal Values			
Melt Flow Index	ISO 1133	7	g/10min		
Density	ISO 1183	0.90	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ISO 527-1	230	kgf/cm ²	22	MPa
Tensile Strain (Break)	ISO 527-1	>500	%	>500	%
Flexural Modulus	ISO 178	8,000	kgf/cm ²	784	MPa
Notched Izod Impact Strength (23℃)	ISO 180	10.0	kgf-cm/cm	98	J/m
Rockwell Hardness	ISO 2039-2	82	R		
Thermal					
Melting Point	LOTTE'S	131	℃		
Heat Deflection Temperature (4.6kgf/cm ²)	ISO 75-1	70	℃		
Film Properties					
Haze	ASTM D1004	<2.0	%		
C.O.F	LOTTE'S	<0.3			
Heat Seal Temp	LOTTE'S	120	℃		

* Measured on 30μm CPP film made of SFC-750R

NOTE

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