

General Information

Description

RANPELEN SFC-650BT is a controlled medium modified polypropylene random copolymer especially designed for metallizing cast film technology. It offers an excellent clarity and gloss, a very low extractable and a very high gloss. It is designed for quality packaging applications, either as skin of 3 layer film and is in particular suitable for printing and metallisation purpose. RANPELEN SFC-650BT is easy processable on commercial cast film equipment. It contains antiblock additives. RANPELEN SFC-650BT is suitable for food contact.

Applications

- ◆ Metallizing CPP Skin Layer

Physical Properties ¹					
Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	8	g/10min		
Density	ASTM D792	0.90	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	250	kgf/cm ²	24	MPa
Tensile Strain (Break)	ASTM D638	>500	%	>500	%
Flexural Modulus	ASTM D790	10,000	kgf/cm ²	980	MPa
Notched Izod Impact Strength (23℃)	ASTM D256	10.0	kgf·cm/cm	98	J/m
Rockwell Hardness	ASTM D785	85	R		
Thermal					
Melting Point	ASTM D3418	148	℃		
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	74	℃		
Film Properties					
Haze	ASTM D1004	<2.0	%		
C.O.F	LOTTE'S	<1.0			
Heat Seal Temp	LOTTE'S	132	℃		

* Measured on 30 μ m CPP film made of SFC-650BT

NOTE

ISO 9001, 14001, /ITS 16949

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

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RANPELEN SFC-650BT

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Applications

- ◆ Metallizing CPP Skin Layer

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	250	kgf/cm ²	24	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	10.0	kgf·cm/cm	98	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	74	℃		
Film Properties					
Haze	ASTM D1004	<2.0	%		
C.O.F	LOTTE'S	<1.0			
Heat Seal Temp	LOTTE'S	132	℃		

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