LOTTE CHEMICAL

January, 2013

RANPELEN SFC-750M

PP RANDOM TERPOLYMER

General Information

Description

RANPELEN SFC-750M is a 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, a very high gloss and a low Heat seal temperature of 122˚C. It is designed for quality packaging applications, as sealant of 3 layer film and metallisation purpose. RANPELEN SFC-750M is easy processable on commercial cast film equipment. It contains antiblock additives. RANPELEN SFC-750M is suitable for food contact.

Applications

- **Heat Seal Layer of Metallizing 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	7,500	kgf/cm^2	735	MPa
Notched Izod Impact Strength (23℃)	ASTM D256	10.0	kgf·cm/cm	68	J/m
Rockwell Hardness	ASTM D785	77	R		
Thermal					
Melting Point	ASTM D3418	132	℃		
Heat Deflection Temperature (4.6kgf/cm^2)	ASTM D648	72	℃		
Film Properties					
Haze	ASTM D1004	<2.0	%		
C.O.F	LOTTE'S	<1.0			
Heat Seal Temp	LOTTE'S	122	℃		

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

NOTE

ISO 9001, 14001, /TS 16949

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

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Description

RANPELEN SFC-750M is a 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, a very high gloss and a low seal-initiation temperature of 122˚C. It is designed for quality packaging applications, as sealant of 3 layer film and metallisation purpose. RANPELEN SFC-750M is easy processable on commercial cast film equipment. It contains antiblock additives. RANPELEN SFC-750M is suitable for food contact.

Applications

- **Heat Seal Layer of Metallizing 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	7,500	kgf/cm^2	735	MPa
Notched Izod Impact Strength (23℃)	ISO 180	7.0	kgf·cm/cm	68	J/m
Rockwell Hardness	ISO 2039-2	77	R		
Thermal					
Melting Point	LOTTE'S	132	℃		
Heat Deflection Temperature (4.6kgf/cm^2)	ISO 75-1	72	℃		
Film Properties					
Haze	ASTM D1004	<2.0	%		
C.O.F	LOTTE'S	<1.0			
Heat Seal Temp	LOTTE'S	118	℃		

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

NOTE

ISO 9001, 14001, /TS 16949

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