

RANPELEN SFI-553

Polypropylene Terpolymer
Lotte Chemical Corporation

Message:

RANPELEN SFI-553 is a controlled medium modified polypropylene random copolymer designed for water quenched film technology. It offers an excellent clarity and gloss, a very low haze, a wide hot tack range and a low seal-initiation temperature. It is designed for quality packaging applications, as heat seal layer film. It contains slip and antiblock additives. RANPELEN SFI-553 is suitable for food contact.

General Information			
Additive	Antiblock		
	Slip		
Features	Antiblocking		
	Food Contact Acceptable		
	High Clarity		
	High Gloss		
	Low Temperature Heat Sealability		
	Slip		
	Terpolymer		
Uses	Film		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	77		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	22.6	MPa	ISO 527-2
Tensile Strain (Break)	> 500	%	ISO 527-2
Flexural Modulus	735	MPa	ISO 178
Coefficient of Friction (Cast Film)	< 1.0		Internal Method
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	69	J/m	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	80.0	°C	ISO 75-2/B
Melting Temperature	135	°C	Internal Method
Optical	Nominal Value	Unit	Test Method
Haze (30.0 µm, Cast Film)	< 2.0	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method

Heat Seal Temperature ¹ (30.0 μm)	125	°C	Internal Method
NOTE			

1. Cast Film

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

