

## RANPELEN SFI-553

## PP RANDOM TERPOLYMER

### General Information

#### ● Description

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.

#### ● Applications

- ◆ Heal Sealing Layer of General IPP

Physical Properties <sup>1</sup>					
Physical	Test Method	Nominal Values			
Melt Flow Index	ISO 1133	7	g/10min		
Density	ISO 1183	0.90	g/cm <sup>3</sup>		
<b>Mechanical</b>					
Tensile Stress (Yield)	ISO 527-1	230	kgf/cm <sup>2</sup>	22	MPa
Tensile Strain (Break)	ISO 527-1	>500	%	>500	%
Flexural Modulus	ISO 178	7,500	kgf/cm <sup>2</sup>	735	MPa
Notched Izod Impact Strength (23℃)	ISO 180	7.0	kgf-cm/cm	68	J/m
Rockwell Hardness	ISO 2039-2	77	R		
<b>Thermal</b>					
Melting Point	LOTTE'S	135	℃		
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	125	℃		

### NOTE

ISO 9001, 14001, /TS 16949

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

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