

# Sanren F320 (1st-grade)

Polypropylene Homopolymer  
SINOPEC Shanghai Petrochemical Co. Ltd.

Message:

The pellet product is colourless and in the shape of a cylinder with high light transmittance, good mechanical performance, stress-fracture resistant, excellent chemical stability, as well as relative low heat-sealing temperature  
Scope of Application: BOPP film

General Information			
Features	High Light Transmission		
	Low temperature heat sealability		
	High ESCR (Stress Cracking Resistance)		
	Homopolymer		
Uses	Bi-axially Oriented Film		
Appearance	Colorless		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.6 - 3.8	g/10 min	Internal method
Ash Content		%	
Fish Eye			
400.0 μm	11.0 - 20.0	pcs/1520 cm <sup>2</sup>	
800.0 μm	1.10 - 3.00	pcs/1520 cm <sup>2</sup>	
Isotacticity	> 95	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	> 31.0	MPa	ASTM D638
Flexural Modulus	> 1150	MPa	Internal method
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	> 19	J/m	Internal method
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	> 145	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Yellowness Index	< 4.0	YI	Internal method
Additional Information	Nominal Value	Unit	

Cleanliness: 6-10 pieces/kg

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