

Sanren F500EP (Premium-grade)

Polypropylene Random Copolymer

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 and printability, 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)		
	Excellent printability		
	Random copolymer		
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)	4.4 - 5.6	g/10 min	Internal method
Chlorine Content		%	
Ash Content		%	
Fish Eye			
400.0 µm	0.00 - 10.0	pcs/1520 cm ²	
800.0 µm	0.00 - 1.00	pcs/1520 cm ²	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	> 22.0	MPa	ASTM D638
Flexural Modulus	> 490	MPa	Internal method
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	> 59	J/m	Internal method
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	> 118	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Gloss	> 85		Internal method
Haze	< 1.8	%	Internal method
Yellowness Index	< 4.0	YI	Internal method
Additional Information	Nominal Value	Unit	

Cleanliness: 0-5 pieces/kg

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