

# Sanren F500EPS (1st-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 slip performance, 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)	3.8 - 6.2	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>	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	> 19.5	MPa	ASTM D638
Flexural Modulus	> 430	MPa	Internal method
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	> 35	J/m	Internal method
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	> 112	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Gloss	> 76		Internal method
Haze	< 2.0	%	Internal method
Yellowness Index	< 4.0	YI	Internal method
Additional Information	Nominal Value	Unit	
Cleanliness: 6-10 pieces/kg			

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any

infringement occurs, please contact us immediately.

#### 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

