

# Sanren Y600 (Premium-grade)

Polypropylene Homopolymer  
SINOPEC Shanghai Petrochemical Co. Ltd.

Message:

The pellet product is colourless and in the shape of a cylinder with good strength, good resistance to abrasion, excellent chemical stability, as well as fairly good heat-resistance.  
Scope of Application: Slit fibre for rope/string or knitting and small size injection moulding

General Information			
Features	Homopolymer		
	Good strength		
	Good wear resistance		
	Heat resistance, medium		
Uses	Rope		
	Fiber		
Appearance	Colorless		
Forms	Particle		
Processing Method	Extrusion		
	Fiber (spinning) extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.5 - 7.5	g/10 min	Internal method
Chlorine Content		%	
Ash Content		%	
Fish Eye			
	400.0 μm	0.00 - 15.0	pcs/1520 cm <sup>2</sup>
	800.0 μm	0.00 - 3.00	pcs/1520 cm <sup>2</sup>
Isotacticity	> 96	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	> 38.2	MPa	ASTM D638
Flexural Modulus	> 1350	MPa	Internal method
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	> 29	J/m	Internal method
Optical	Nominal Value	Unit	Test Method
Yellowness Index	< 4.0	YI	Internal method
Additional Information	Nominal Value	Unit	
Cleanliness: 0-5 pieces/kg			

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