

# Sanren Q281 (Premium-grade)

Low Density Polyethylene

SINOPEC Shanghai Petrochemical Co. Ltd.

## Message:

The oblate pellet product is colourless with excellent chemical stability. Under the normal conditions, the product is acid resistant, alkali resistant, and salt resistant. It possesses certain mechanical properties and light transmittance.

Scope of Application: Light-duty / laminated film and small size injection mouldings.

General Information	
Features	Low density
	Homopolymer
	alkali resistance
	acid resistance
Uses	Films
	Laminate
Appearance	Colorless
Forms	Particle
Processing Method	Blow molding
	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Density	0.925	g/cm <sup>3</sup>	Internal method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.4 - 3.2	g/10 min	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	> 11.0	MPa	Internal method
Tensile Elongation (Break)	> 550	%	Internal method
Optical	Nominal Value	Unit	Test Method
Haze	< 13	%	Internal method
Additional Information	Nominal Value	Unit	
Blocking		MPa	
Fish Eye			
0.300 to 2.00mm		pcs/1200 cm <sup>2</sup>	
Linking: 0.500 to 2.00mm		pcs/20 cm <sup>2</sup>	
Hue			
Impurities (> 100.0 μm)		pcs/100 g	
Streaks	B		
Cleanliness: <10 pieces/kg			

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