



Plastics and Resins

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Product Name:	Polypropylene Resin (F500EPS)					
Trade Mark:	Sanren Brand					
Alternative Name:						
Molecular formula/Structural Formula:	□					
Production Process:	Liquid phase bulk polymerization process is used for production of the product. The polymer produced is of random-ter-polymer type.					
Properties:	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.					
Grade:						
National Standard Grade:	PPR-FH-045					
Enterprise Standard Grade:	F500EPS					
Specifications:	Q/SH 012.07.06-1999 Polypropylene resin					
	No.	Item	Unit	Quality Criteria		
				Premium-grade	1st-grade	On-spec.
	1	Cleanliness	piece/kg <=	0-5	6-10	11-20
	2	Melt flow rate	g/10min	5.0(+0.6)	5.0(+1.2)	5.0(+1.8)
	3	Tensile yield strength	Mpa>=	22.0	19.5	17.0
	4	Bending modulus	GPa>=	0.49	0.43	0.39
	5	Outrigger impact strength(23℃)	J/m>=	58.5	35.0	30.0
	6	Ash	%(m/m)<=	0.02	0.04	0.05
	7	Chlorine content	%(m/m)<=	0.005	-	-
	8	Fish-eye	Piece/1520cm ²	0-1.0	1.1-3.0	3.1-5.0
		0.8mm		0-10	11-20	21-30
		0.4mm	<=			
	9	Vicat softening point	°C>=	118	112	106
Scope of Application:	10	Yellowness-index	<=	4	4	4
	11	Haze	%<=	1.8	2.0	2.2
	12	gloss	%>=	85	76	72
	12					
Major Applications:						
Process Method:	Extrusion moulding					
Packing:	Heavy duty PE bag as inner packaging and PP woven bag as outer packaging. Each bag has a net weight of 25 kg.					
Packing Size:	Converted dimension 550mm×850mm,or big package.					
Storage:	The product should be stored in a dry, well ventilated warehouse. To avoid direct sunlight, the product should not be stored in the open air.					
Transportation:	By means of truck, vessel or train. During transportation the product should not be exposed to the sunlight and rain. Neither should the product be mixed with contaminants(e.g. sand,metal). There should be no heavy bump or unloading by throwing the bags.					
Safety Precautions:	1. Be away from fire and heat sources. 2. Should not be stored or transported together with chemicals and inflammables. 3. Warehouse must be equipped with extinguishers or fire-fighting device. 4. Water, carbon dioxide, dry powder or 1211 can be used as extinguishers for the product.					

