



Plastics and Resins

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Product Name:	Polypropylene Resin (F500EP)							
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 mechanical performance and printability, stress-fracture resistant, excellent chemical stability, as well as relative low heat-sealing temperature							
Grade:								
National Standard Grade:	PPR-FHS-045							
Enterprise Standard Grade:	F500EP							
Specifications:	Q/SH 012.07.06-1999 Polypropylene resin							
	No.	Item		Unit	Quality Criteria			Testing Method
					Premium-grade	1st-grade	On-spec.	
	1	Cleanliness		piece/kg <=	0-5	6-10	11-20	GB 12670
	2	Melt flow rate		g/10min	5.0(+0.6)	5.0(+1.2)	5.0(+1.8)	GB 3682
	3	Tensile yield strength		Mpa>=	22.0	19.5	17.0	ASTM D638
	4	Bending modulus		GPa>=	0.49	0.43	0.39	MA 17074
	5	Outrigger impact strength(23l)		J/m>=	58.5	35.0	30.0	MA 17027
	6	Ash		%(m/m)<=	0.02	0.04	0.05	MA 15681
	7	Chlorine content		%(m/m)<=	0.005	-	-	MA 15794
	8	Fish-eye	0.8mm	Piece/1520cm ² <=	0-1.0	1.1-3.0	3.1-5.0	MA 17108
			0.4mm		0-10	11-20	21-30	
	9	Vicat softening point		>=	118	112	106	MA 17018
	10	Yellowness-index		<=	4	4	4	MA 19037
	11	Haze		%<=	1.8	2.0	2.2	MA 17031
	12	gloss		%>=	85	76	72	MA 17021
Scope of Application:	BOPP film							
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.							

