



Plastics and Resins

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Product Name:	Polypropylene Resin(I180E)							
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 homo-polypropylene type.							
Properties:	The pellet product is colourless and in the shape of a cylinder with satisfied light transmittance, high strength, high abrasion resistance and impact resistance, excellent stress-fracture resistance, chemical stability and insulating characteristics, as well as fairly good heat resistance.							
Grade:								
National Standard Grade:	PPR-I-022							
Enterprise Standard Grade:	I180E							
Specifications:	Q/SH 012.07.06-1999 Polypropylene Resin							
	No.	Item		Unit	Quality Criteria			Testing
					Premium-grade	1st-grade	On-spec.	Method
	1	Cleanliness	piece/kg <=		0—5	6—10	11—20	GB 12670
	2	Melt flow rate	g/10min		1.8(+0.2)	1.8(+0.4)	1.8(+0.6)	GB 3682
	3	Tensile yield strength	MPa >=		23.5	23.5	22.3	ASTM D638
	4	Outrigger impact strength(23ℓ)	J/m >=		58.8	19.6	15.7	MA 17027
	5	Bending modulus	GPa >=		0.68	0.63	0.60	MA 17074
	6	Ash	% (m/m) <=		0.02	0.03	0.04	MA 15681
	7	Chlorine content	% (m/m) <=		0.006	—	—	MA 15794
	8	Yellowness index	<=		4	4	4	MA 19037
	9	Haze	% <=		2	2	5	MA 17031
	10	Fish-eye	0.8mm	No./1520cm ²	0—1.0	1.1—3.0	3.1—5.0	MA 17108
			0.4mm		<=	0—10	11—20	21—30
Scope of Application:	Heat shrinkable film.							
Major Applications:								
Process Method:	Extrusion moulding.							
Packing:	Heavy duty PE film bag as inner packaging and PP woven bag as outer packaging. Each bag has a net weight of 25kg.							
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. There should be no heavy bump or unloading by throwing the bags.							
Safety Precautions:	1. By 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.							

