



Plastics and Resins

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Product Name:	Polypropylene Resin (M2101R)						
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 block copolymer type with a medium level of ethylene content.						
Properties:	The pellet product is ivory white and in the shape of a cylinder with satisfied strength, high abrasion resistance and low temperature resistance, high low-temperature impact strength and stress-fracture resistance, excellent chemical stability and insulating characteristics and fairly good heat resistance.						
Grade:							
National Standard Grade:	PPB—MP—225						
Enterprise Standard Grade:	M2101R						
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	21.0(+3.0)	21.0(+4.0)	21.0(+5.0)	GB 3682
	3	Tensile yield strength	MPa ≥	19.6	19.6	19.6	ASTM D638
	4	Outrigger	J/m ≥	63.7	39.2	29.4	MA 17027
		(23ℓ)					
		Impact strength	(-20ℓ)	29.4	19.6	9.8	
	5	Bending modulus	GPa ≥	1.30	1.20	1.10	MA 17074
6	Ash	%(m/m) ≤	0.02	0.03	0.05	MA 15681	
7	Chlorine content	%(m/m) ≤	0.006	—	—	MA 15794	
8	Yellowness index	≤	4	4	4	MA 19037	
Scope of Application:	The basic material for household electric appliance parts and automobile parts.						
Major Applications:							
Process Method:	Injection 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:							
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. The product should be palletized in batches and separated with a certain distance.						
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.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.						

