



Plastics and Resins

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Product Name:	Polypropylene Resin (M700R)						
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 and impact resistance, high stress-fracture resistance, excellent chemical stability and insulating characteristics as well as fairly good heat-resistance.						
Grade:							
National Standard Grade:	PPB—M—075						
Enterprise Standard Grade:	M700R						
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	7.0(+1.0)	7.0(+1.8)	7.0(+2.9)	GB 3682
	3	Tensile yield strength	MPa ≥	24.5	24.5	23.5	ASTM D638
	4	Outrigger impact strength(23℃)	J/m ≥	78.4	29.5	25.5	MA 17027
	5	Bending modulus	GPa ≥	1.10	1.10	1.00	MA 17074
	6	Vicat softening point	℃ ≥	150	150	150	MA 17018
	8	Ash	%(m/m) ≤	0.02	0.03	0.05	MA 15681
	9	Chlorine content	%(m/m) ≤	0.006	—	—	MA 15794
	10	Yellowness index	≤	4	4	4	MA 19037
	11	Low temperature transition point	℃ ≤	—32	—32	—32	MA 17116
Scope of Application:	Automobile parts, battery casing, household electric appliance 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:	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.						

