



Plastics and Resins

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Product Name:	Polypropylene Resin (M800E)																																																									
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 copolymer type with additional transparency promotor.																																																									
Properties:	The pellet product is colourless and in the shape of a cylinder with good transparency, high gloss. It is resistant to breakage, high temperature, with high rigidity and moisture inhibition. It is odorless.																																																									
Grade:																																																										
National Standard Grade:	PPR—M—075																																																									
Enterprise Standard Grade:	M800E																																																									
Specifications:	Q/SH 012.07.06-1999 Polypropylene resin <table border="1"> <thead> <tr> <th rowspan="2">No.</th><th rowspan="2">Item</th><th rowspan="2">Unit</th><th colspan="3">Quality Criteria</th><th rowspan="2">Testing Method</th></tr> <tr> <th>Premium-grade</th><th>1st-grade</th><th>On-spec.</th></tr> </thead> <tbody> <tr> <td>1</td><td>Cleanliness</td><td>piece/kg ≤</td><td>0—5</td><td>6—10</td><td>11—20</td><td>GB 12670</td></tr> <tr> <td>2</td><td>Melt flow rate</td><td>g/10min</td><td>8.0(+1.5)</td><td>8.0(+2.5)</td><td>8.0(+3.5)</td><td>GB 3682</td></tr> <tr> <td>3</td><td>Tensile yield strength</td><td>MPa ≥</td><td>27.5</td><td>26.5</td><td>25.0</td><td>ASTM D638</td></tr> <tr> <td>4</td><td>Bending modulus</td><td>GPa ≥</td><td>1.05</td><td>0.95</td><td>0.85</td><td>MA 17074</td></tr> <tr> <td>5</td><td>Outrigger impact strength(23ℓ)</td><td>J/m ≥</td><td>40.0</td><td>35.0</td><td>25.0</td><td>MA 17027</td></tr> <tr> <td>6</td><td>Yellowness index</td><td>≤</td><td>0</td><td>1</td><td>3</td><td>MA 19037</td></tr> </tbody> </table>						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	8.0(+1.5)	8.0(+2.5)	8.0(+3.5)	GB 3682	3	Tensile yield strength	MPa ≥	27.5	26.5	25.0	ASTM D638	4	Bending modulus	GPa ≥	1.05	0.95	0.85	MA 17074	5	Outrigger impact strength(23ℓ)	J/m ≥	40.0	35.0	25.0	MA 17027	6	Yellowness index	≤	0	1	3	MA 19037
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Scope of Application:	Mainly for production of fodd grade small injection moulding parts and thin wall packaging products.																																																									
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(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.																																																									

