



Plastics and Resins

[back to list](#)

Product Name:	Polypropylene Resin (F200A)																																																																																															
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 high anti-static, high light transmittance, good mechanical performance and printability, stress-fracture resistant, excellent chemical stability, as well as fairly good heat-resistance.																																																																																															
Grade:																																																																																																
National Standard Grade:	PPH-FZ-022																																																																																															
Enterprise Standard Grade:	F200A																																																																																															
Specifications:	Q/SH 0.12.07.06-1999 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>2.0(+/-0.35)</td><td>2.0(+/-0.35)</td><td>2.0(+/-0.70)</td><td>GB 3682</td></tr> <tr> <td>3</td><td>Tensile yield strength</td><td>Mpa≥</td><td>32.8</td><td>31.0</td><td>30.0</td><td>ASTM D638</td></tr> <tr> <td>4</td><td>Bending modulus</td><td>GPa≥</td><td>1.40</td><td>1.30</td><td>1.20</td><td>MA 17074</td></tr> <tr> <td>5</td><td>Outrigger impact strength(23ℓ)</td><td>J/m≥</td><td>29.4</td><td>25.5</td><td>19.6</td><td>MA 17027</td></tr> <tr> <td>6</td><td>Isotacticity</td><td>% ≥</td><td>94.5</td><td>94.5</td><td>94.5</td><td>MA 15763</td></tr> <tr> <td>7</td><td>Ash</td><td>% ≤</td><td>0.02</td><td>0.04</td><td>0.05</td><td>MA 15681</td></tr> <tr> <td>8</td><td>Chlorine content</td><td>% ≤</td><td>0.005</td><td>-</td><td>-</td><td>MA 15794</td></tr> <tr> <td rowspan="2">9</td><td rowspan="2">Fish-eye</td><td>0.8mm</td><td>0-1.0</td><td>1.1-3.0</td><td>3.1-5.0</td><td rowspan="2">MA 17108</td></tr> <tr> <td>0.4mm</td><td>0-10</td><td>11-20</td><td>21-30</td></tr> <tr> <td>10</td><td>Vicat softening point</td><td>ℓ≥</td><td>154</td><td>145</td><td>138</td><td>MA 17018</td></tr> <tr> <td>11</td><td>Yellowness-index</td><td>≤</td><td>4</td><td>4</td><td>4</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	2.0(+/-0.35)	2.0(+/-0.35)	2.0(+/-0.70)	GB 3682	3	Tensile yield strength	Mpa≥	32.8	31.0	30.0	ASTM D638	4	Bending modulus	GPa≥	1.40	1.30	1.20	MA 17074	5	Outrigger impact strength(23ℓ)	J/m≥	29.4	25.5	19.6	MA 17027	6	Isotacticity	% ≥	94.5	94.5	94.5	MA 15763	7	Ash	% ≤	0.02	0.04	0.05	MA 15681	8	Chlorine content	% ≤	0.005	-	-	MA 15794	9	Fish-eye	0.8mm	0-1.0	1.1-3.0	3.1-5.0	MA 17108	0.4mm	0-10	11-20	21-30	10	Vicat softening point	ℓ≥	154	145	138	MA 17018	11	Yellowness-index	≤	4	4	4
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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.																																																																																															

