

PP-R, MT05-200Y(RP348P)

Polypropylene, Random Copolymer

Product Description

PP-R, MT05-200Y (RP348P) is a polypropylene random copolymer characterized by excellent fluidity, primarily utilized in injection molding. RP348P boasts superior properties such as high transparency, high gloss, heat resistance, good toughness, and resistance to leaching. The product's biological and chemical performance complies with the standard YY/T0242-2007 "Polypropylene Special Material for Medical Infusion, Transfusion, and Injection Equipment." It is mainly used for the manufacture of disposable medical syringes.

Technical Data

ITEM	UNIT	METHOD	TYPICAL VALUE
Melt Flow Rate	g/10min	GB/T 3682	16.9
Ash Content (w%)	%	GB/T 9345.1	0.036
Yellowness Index	/	HG/T 3862	-3.3
Tensile Stress @ Yield	MPa	GB/T 1040	25.7
Flexural Modulus	MPa	GB/T 9341	1035
Charpy Impact Strength (23℃)	kJ/m ²	GB/T 1043	5.2
Charpy Impact Strength (-20℃)	kJ/m ²	GB/T 1043	0.97
Haze(1mm)	%	GB/T 2410	11.9
DTUL	℃	GB/T 1634.2	83
Moulding Shrinkage (SMp)	%	GB/T 17037.4	1.3
Moulding Shrinkage (SMn)	%	GB/T 17037.4	1.3

Note: The above data are typical values for the relevant product, provided for reference only. They do not imply, nor legally guarantee, specific properties of the product or its suitability for any particular purpose.

Process Condition

The recommended injection molding temperature for PP-R,MT05-200Y (RP348P) is 200-240℃. The processing parameters can be adjusted according to the specific injection molding equipment, but the processing temperature should not exceed 300℃.

Package

Heavy-duty packaging film bags, net weight 25kg per bag.

Safety

This product is a solid polymer with stable performance, harmless to humans, animals, and the ecological environment. Please refer to the product MSDS (Material Safety Data Sheet) for relevant safety data.

Storage & Transport

During transportation, avoid exposure to direct sunlight or rain. Do not mix with sand, broken metal, coal, glass, etc., and avoid mixing with toxic, corrosive, or flammable substances. Sharp tools such as iron hooks are strictly prohibited during loading and unloading to prevent damage to the packaging bags. Store in a clean, cool, dry, and

Product Datasheet

well-ventilated warehouse, away from heat sources and direct sunlight. If stored outdoors, cover with tarpaulin.

Legal Statement

For detailed product compliance information, please get in touch with customer service.

Safety

When handling this product, please comply with the advice and information in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. Given the many factors that may affect the processing and application of our product, these data do not relieve processors from carrying out their investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. Given herein may change without prior information and does not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification, it is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.