

PP

PP MT45

POLYPROPYLENE RANDOM COPOLYMER (PPR)

This resin is a random copolymer polypropylene transparent material developed for high transparency and good processing performance. It is a high-flow grade mainly used in the production of food containers, stationery, and storage boxes.

Typical Application

- Food containers
- Stationery
- Storage boxes
- General injection moulding of transparent parts

Product Characteristics

- High transparency
- Good processing performance

Physical Properties

Properties	Test Method	Typical Value	Unit
Black Pellet Content	SH/T 1541.1	0	pcs/kg
Colored Pellet Content	SH/T 1541.1	≤10	pcs/kg
Large and Small Pellet Content	SH/T 1541.1	0.02	g/kg
Melt Flow Rate (230°C/2.16 kg)	GB/T 3682.1	43.0	g/10 min
Ash Content	GB/T 9345.1	0.019	%
Tensile Yield Stress	GB/T 1040.2	27.3	MPa
Flexural Modulus	GB/T 9341	1080	MPa
Charpy Notched Impact Strength (23°C)	GB/T 1043.1	4.1	kJ/m ²
Heat Deflection Temperature (0.45 MPa)	GB/T 1634.2	76	°C
Haze	GB/T 2410	12.0	%

1. The nominal properties reported herein are typical of the product and do not reflect normal testing variance; they should not be used for specification purposes.

2. The measured typical melt flow rate (43.0 g/10 min) is consistent with the nominal 45 g/10 min grade designation.