

PP

PP HT9025NX

POLYPROPYLENE RANDOM COPOLYMER (PPR)

This resin is a high-flow, highly transparent random copolymer polypropylene formulated with a modern clarifying (nucleating) agent, giving it noticeably better clarity than conventional transparent PP grades. It is a food-grade material, transparent in appearance, with high gloss and no residual odor, and is suitable for food-contact applications.

Typical Application	Product Characteristics	International Compliance
• Large household transparent storage boxes and sports cups • Food storage and preservation containers, lunch boxes, and crisper boxes • CD cases and small electrical appliance housings	• High transparency from a modern clarifying agent, improved over prior-generation transparent PP • High gloss and no residual odor • Suitable for food contact	• Food-grade / food-contact suitable

Film Properties

Properties	Test Method	Typical Value	Unit
Haze	GB/T 2410-80	13.9	%

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate (230°C/2.16 kg)	Q/SH010.129-1998	24.2	g/10 min
Tensile Strength at Yield	Q/SH0.010.129.1-1998	29.1	MPa
Notched Izod Impact Strength (23°C)	Q/SH0.010.129.1-1998	78.6	J/m
Flexural Modulus	Q/SH0.010.129.1-1998	1090	MPa
Heat Deflection Temperature	Q/SH0.010.129.1-1998	76.6	°C
Ash Content (Powder)	Q/SH0.010.129.1-1998	0.01	%

1. This is an upgraded version of the prior-generation high-flow transparent polypropylene HT9025M; it is not recommended for mixing with the prior-generation product, as this would noticeably reduce clarity.

2. 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.