

PP

PP CJS700

POLYPROPYLENE HOMOPOLYMER (PP)

This resin is a medium-flow polypropylene homopolymer characterized by high crystallinity, high rigidity, high tensile strength, and good thermal-distortion resistance. Its short moulding cycle, scratch resistance, and consistent melt fluidity make it well suited to high-volume injection moulding of consumer and household goods.

Typical Application

- Injection-moulded toys
- Household appliance components

Product Characteristics

- High crystallinity and rigidity
- High tensile strength and good thermal-distortion resistance
- Short moulding cycle with good scratch resistance
- Consistent melt fluidity for high-volume injection moulding

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate (230°C/2.16kg)		12	g/10 min
Tensile Stress at Yield		35	MPa
Notched Izod Impact Strength (23°C)		1.5	kJ/m ²
Flexural Modulus		1200	MPa

1. Melt flow and tensile stress at yield are typical values per the producer's published family data sheet; notched Izod impact strength and flexural modulus are cross-checked typical values from a distributor-published catalog for the same grade (minor lot-to-lot variance vs. the family data sheet is normal).

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.