PP

PP S700

POLYPROPYLENE HOMOPOLYMER (PP)

A homopolymer polypropylene with higher crystallinity, high rigidity, high tensile strength, and high modulus, along with good thermal distortion resistance. Products made from this resin are characterized by short processing time, good scratch resistance, and good fluidity.

Typical Application	Product Characteristics	International Compliance
• Injection molding of toys • Household appliances • General small parts requiring medium melt flow and good rigidity	• High crystallinity • High rigidity • High tensile strength and modulus • Good thermal distortion resistance • Short molding-cycle processing • Good scratch resistance • Good fluidity	• FDA • RoHS

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate (230°C/2.16kg)		11.0	g/10 min
Tensile Strength at Yield		31	MPa
Notched Izod Impact Strength (23°C)		1.5	kJ/m²
Flexural Modulus		1200	MPa
Isotactic Index		96	%
Ash Content		0.03	%

1. S700 is produced at a different plant than the twin grade code CJS700, but both are published under the same typical-value datasheet for this medium-flow homopolymer family; separately quoted offer-sheet values for this family run approximately 12 g/10 min MFR and ~35 MPa tensile stress at yield, consistent with normal typical-value variance between catalog editions.
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.