

PP

PP V30G

POLYPROPYLENE HOMOPOLYMER (PP)

This medium-flow polypropylene homopolymer offers higher crystallinity, high rigidity, high tensile strength, and high modulus, together with good resistance to thermal distortion. It processes with a short molding cycle and provides good scratch resistance and fluidity, making it suitable for injection molding of toys and household appliances.

Typical Application

- Injection molding of toys
- Injection molding of household appliances

Product Characteristics

- Higher crystallinity and high rigidity
- High tensile strength and modulus
- Good resistance to thermal distortion
- Short molding cycle time
- Good scratch resistance and fluidity

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate (230°C/2.16kg)		16.0	g/10 min
Tensile Strength at Yield		31.4	MPa
Notched Izod Impact Strength (23°C)		20	J/m
Flexural Modulus		1280	MPa
Heat Distortion Temperature		87	°C
Isotactic Index		93	%
Ash Content		0.015	%

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. Distributor offer sheets for this grade sometimes quote a melt flow rate of 17 g/10 min; the producer's own published typical value is 16.0 g/10 min, within normal batch-to-batch variance.
3. The producer's catalog lists a closely related grade code (M17) that it publishes with the same typical-value table as this grade.