



## TECHNICAL DATA SHEET (TDS)

# PP PP12-01 POLYPROPYLENE

**OVERVIEW:** Prime Homopolymer polypropylene designed for use in general purpose injection molding applications.

Applications: consumer products, housewares and rigid packaging.

Complies with the specifications U.S. FDA 21 CFR 177.1640

**ADDITIVE:** Additive: None

Properties	Test Method	Units	Nominal Values
Melt Index (230° C/2.16 Kg)	ASTM D1238	g/10min	12.0
Density	ASTM D792	g/cc	0.908
<b>Properties</b>			
Tensile strength at yield (2in/min)	ASTM D638	Psi/MPa	5300/36.5
Tensile strength at Break (2in/min)	ASTM D638	Psi/MPa	2500/17.2
Elongation yield (2 in/min)	ASTM D638	%	9.2
Elongation Break (2 in/min)	ASTM D638	%	<100
Flexural Modulus, 1% secant	ASTM D790A	Psi/MPa	240000/1654
Notched Izod Impact Strength @ 23c	ASTM D256	(ft-lbf/in)/(kj/m2)	0.54/2.8
Hardness Rockwell R	ASTM D785		105
Heat Deflection Temperature @66 Psi (455) kPa	ASTM D648	F/C	216/102
Vicat Softening Point	ASTM D1525	F/C	311/155

*Values are intended as guides only, not specifications. Specimens were injection molded.*

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