



TECHNICAL DATA SHEET (TDS)

PP PP20-01 POLYPROPYLENE

OVERVIEW: Prime Homopolymer intended for use in injection molding applications with fast cycle times, low static charge and high stiffness.

Applications: rigid packaging, housewares, consumer products

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

ADDITIVE: Additive: Nucleant : yes Antistatic: Yes

Properties	Test Method	Units	Nominal Values
Melt Index 230° C/2.16 Kg	ASTM D1238	g/10min	20.0
Density	ASTM D792	g/cc	0.909
Properties			
Tensile strength at yield (2in/min)	ASTM D638	Psi/MPa	5435/37.5
Tensile strength at Break (2in/min)	ASTM D638	Psi/MPa	2710/18.7
Elongation yield (2 in/min)	ASTM D638	%	8
Elongation Break (2 in/min)	ASTM D638	%	49
Flexural Modulus, 1% secant	ASTM D790A	Psi/MPa	262000/1810
Notched Izod Impact Strength @ 23c	ASTM D256	(ft-lbf/in)/(kJ/m2)	0.62/3.27
Hardness Rockwell R	ASTM D785		105
Heat Deflection Temperature @66 Psi (455) kPa	ASTM D648	F/C	237/114
Gloss (60°) angle	ASTM D2457		91
Haze@ 23 C, 50-mil (1.3mm) plaque	ASTM D1003	%	68

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

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