



## TECHNICAL DATA SHEET (TDS)

# PP PP5143H POLYPROPYLENE

**OVERVIEW:** Prime Homopolymer intended for use in extrusion, blow molding and thermoforming applications with excellent optical properties and heat resistance.

Applications: thermoformed cups, containers and lidding; extrusion blow molded containers and bottles, injection stretch blow molded containers and bottles, extruded sheet and profiles.

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

**ADDITIVE:** Nucleant: Yes

Properties	Test Method	Units	Nominal Values
Melt Index (190° C/2.16 Kg)	ASTM D1238	g/10min	2.3
Density	ASTM D792	g/cc	0.909
<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	2600/18.5
Elongation yield (2 in/min)	ASTM D638	%	9.1
Elongation Break (2 in/min)	ASTM D638	%	120
1% Secant Modulus	ASTM D790	Psi/MPa	240000/1654
Notched Izod Impact Strength @ 23c	ASTM D256	(ft-lbf/in)/(kJ/m <sup>2</sup> )	0.50/2.8
Gloss (60°) angle	ASTM D2457	%	96
Haze@ 23 C, 50-mil (1.3mm) plaque	ASTM D1003	%	30
Heat Deflection Temperature @66 Psi (455) kPa	ASTM D648	F/C	230/110
Vicat Softening Point	ASTM D1525	F/C	309/154

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

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**825 BRICKELL BAY DRIVE, SUITE 1750, MIAMI, FLORIDA 33131  
TELEPHONE (305) 358-1900 WWW.PACIFIC-LTD.COM**



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