

# PrimaFlex® HP 2000

Polypropylene Homopolymer  
Plastic Solutions, Inc.

Message:

Description: HP 2000 is a general purpose polypropylene homopolymer for injection molding applications.

General Information			
Additive	Unspecified Stabilizer		
Features	Food Contact Acceptable		
	General Purpose		
	Good Stability		
	Good Stiffness		
	High ESCR (Stress Crack Resist.)		
	Homopolymer		
Uses	Appliances		
	Closures		
	General Purpose		
	Household Goods		
	Toys		
	White Goods & Small Appliances		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	33.8	MPa	ASTM D638
Tensile Elongation (Yield)	8.0	%	ASTM D638
Flexural Modulus	1240	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	27	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	37.8	°C	ASTM D648

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