

**Hival HPPP 2420 NA**

General Polymers -Homopolymer PP

General Information			
General			
Ashland Product Code	* 1000831		
Material Status	* Commercial: Active		
Availability	* North America		
Test Standards Available	* ASTM		
Recycled Content	* No		
Features	* Nucleated		
Forms	* Antistat		
Processing Method	* Pellets		
	* Injection		
Properties			
	Nominal Value	Unit	Test Method
Melt Flow Rate (230 °C/2.16 kg )	20	g/10min	ASTM D1238
Melt Volume Index	*	CC/10min	ISO 1133
Density	0.9	g/cm≥	ASTM D1505
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	*	psi	ASTM D638
Tensile Strength @ Yield	5,500	psi	ASTM D638
Tensile Elongation @ Yield	9	%	ASTM D638
Flexural Modulus 1% Secant	260,000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.4	ft-lb/in	ASTM D256
Charpy Impact Strength	*	kJ/m≤	ISO 179
Hardness	Nominal Value	Unit	Test Method
Rockwell	95	R	ASTM D785
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Point	*	°F	ASTM D1525
Heat Deflection Temperature @ 66 psi	230	°F	ASTM D648
Heat Deflection Temperature @ 264 psi	*	°F	ASTM D648
Optical	Nominal Value	Unit	Test Method
*	*	*	ASTM D1003
Suggested Applications			
Rigid Thin Walled Containers, Sports & Leisure, Toys			
Housewares, Molded Caps & Closures			
Meets all requirements of U.S. Food and Drug Administration as specified in 21CFR 177.1520 covering safe use of polyolefin articles intended for direct food contact			

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The information provided above is based on typical values. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items. The properties of any single lot or shipment of produce may vary from the above typical analysis.

Ashland makes no warranty or representation as to the suitability of the product of any particular application

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**General Processing Information Injection Molding**

**General Drying**

Time	Temperature
*	*

**Processing Temperatures**

**Injection molding**

Temperature	Unit
Rear Zone	430
Middle Zone	450
Front Zone	470
Nozzle	470
Melt	*
Mold	70-120
Screw Speed	*
Injection Speed	*
Injection Pressure	*
Back Pressure	*

**Processing Precautions**

Avoid excessive melt temperatures and long residence times as this could lead to thermal degradation

**For Technical Assistance please call the ADC Plastics Technical Service Desk**

**866-430-9666**

**gptech@ashland.com**

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