

Hival HPPP 2420 NA

General Polymers -Homopolymer PP

| General Information | | | |
|--|---------------------------|-------------|------------|
| Properties | | | |
| Ashland Product Code | * 1000831 | | |
| Material Status | * Commercial: Active | | |
| Availability | * North America | | |
| Test Standards Available | * ASTM | | |
| Recycled Content | * No | | |
| Features | * Nucleated * Antistat | | |
| Forms | * Pellets | | |
| Processing Method | * Injection | | |
| 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 \geq | ASTM D1505 |
| Nominal Value | Unit | Test Method | |
| Mechanical | | | |
| 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 |
| Nominal Value | Unit | Test Method | |
| Impact | | | |
| Notched Izod Impact | 0.4 | ft-lb/in | ASTM D256 |
| Charpy Impact Strength | * | kJ/m \leq | ISO 179 |
| Nominal Value | Unit | Test Method | |
| Hardness | | | |
| Rockwell | 95 | R | ASTM D785 |
| Nominal Value | Unit | Test Method | |
| Thermal | | | |
| Vicat Softening Point | * | °F | ASTM D1525 |
| Heat Deflection Temperature @ 66 psi | 230 | °F | ASTM D648 |
| Heat Deflection Temperature @ 264 psi | * | °F | ASTM D648 |
| Nominal Value | Unit | Test Method | |
| Optical | | | |
| * | * | * | 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 | | °F |
| Middle Zone | 450 | | °F |
| Front Zone | 470 | | °F |
| Nozzle | 470 | | °F |
| Melt | * | | °F |
| Mold | 70-120 | | °F |
| 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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