

# PP

## HP500P

### Product information

Manufacturer	Jam Polypropylene Company			
Process	Injection molding Compounding			
Polymer	Homopolymer			
Material Attribute	Food Contact grade			
Features	High stiffnessDimensional stabilityMedium flowRapid moldability			
Application	ToysContainersCompounding applicationsClosuresCapsHousewares applicationMasterbatchThin wall productsHousing			
Aging	Condition	Standard	Value	Unit
Accelerated	Oven Aging in Air 150°C	ASTM D3012	360	hr
Hardness	Condition	Standard	Value	Unit
Rockwell	Hardness R(Scale)	ASTM D785	103	
Mechanical behavior	Condition	Standard	Value	Unit
Elongation	Yield	ASTM D638	12	%
Flexural	Modulus	ASTM D790	1550	MPa
Izod	Notch Impact 23°C	ASTM D256	30	J/m
Tensile	Strength Yield	ASTM D638	33	MPa
Physical property	Condition	Standard	Value	Unit
Density		ASTM D1505	0.9	g/cm <sup>3</sup>
Melt	Index 230°C 2.16kg	ASTM D1238	17	g/10min
Thermal	Condition	Standard	Value	Unit
HDT	0.45MPa	ASTM D648	95	°C
Vicat	Softening Temperature 10N	ASTM D1525	154	°C