



HP500M Datasheet

Description	"HP500M" is a polypropylene homopolymer suitable for injection molding applications that due to its good flow properties offers easy processing. Articles produced from "HP500M" exhibit high stiffness. "HP500M" is widely used for injection molding consumer goods such as food containers, housewares, toys and garden furniture. Other major applications are components for appliances and parts for the automotive industry. "HP500M" is suitable for food contact.
Processing Method:	Injection molding
Features:	• Good flow properties • Easy processing • High stiffness • Homopolymer
Typical Applications:	• Housewares • Food containers • Garden furniture • Toys • Components for appliances • Parts for the automotive industry

Parameter	Test method	Unit	value
Melt Flow Rate (230 oC, 2.16kg)	ASTM D1238	g/10 min	9
Density	ASTM D1505	g/cm3	0/9
Flexural Modulus	ASTM D790	MPa	1550
Tensile Strength at Yield	ASTM D638	MPa	35
Tensile Elongation at Yield	ASTM D638	%	12
Izod Impact Strength (notched) at 23 oC	ASTM D256	J/m	37
Rockwell Hardness	ASTM D785	R Scale	102
Vicat softening point (10N)	ASTM D1525	oC	154
H.D.T. (0.46 Mpa)	ASTM D648	oC	95
Accelerated oven ageing in air at 150 oC	ASTM D3012	hours	360



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