



Moplen HP400K

Polypropylene, Homopolymer

Product Description

Moplen HP400K is a general purpose homopolymer, can be processed by extrusion processes and injection moulding process. Typical applications include slit tapes, straws, housewares and funitures.

Product Characteristics

Test Method used	ASTM
Processing Methods	Injection Molding, Tapes & Raffia
Features	Good Chemical Resistance, General Purpose, Homopolymer, Low Odor Transfer, Low to No Odor, Good Processability, Good Strength, Low Taste Transfer
Typical Customer Applications	Filament Yarn, Furniture, Housewares, Raffia/Tapes/Strapping

Typical Properties	Method	Value	Unit
Physical			
Density -Specific Gravity	ASTM D 792	0.90	g/cm ³
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	4	g/10 min
Mechanical			
Flexural Modulus	ASTM D 790	1400	MPa
Tensile Strength @ Yield	ASTM D 638	33	MPa
Tensile Elongation @ Yield	ASTM D 638	11	%
Impact			
Notched Izod Impact (23 °C)	ASTM D 256	32	J/m
Thermal			
Heat deflection temperature at 0.46 N/mm ²	ASTM D 648	93	°C