

Moplen EP6004

Polypropylene Impact Copolymer

HMC Polymers

Message:

Polypropylene impact copolymer resin (Developmental Grade)

Features:

- Good impact resistance
- Improved impact stiffness/impact balance
- Good dimensional stability
- Short cycle time
- Good UV stability
- Low stress whitening

Applications:

- In-mould labeling & normal pails
- Industrial containers
- Housewares
- Luggage
- Small appliances

General Information			
Features	Fast Molding Cycle		
	Good Dimensional Stability		
	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	Impact Copolymer		
	Stress Whitening Resistant		
Uses	Appliances		
	Household Goods		
	Industrial Containers		
	Luggage		
	Pails		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792B
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	23.0	MPa	ASTM D638
Tensile Elongation (Yield)	6.0	%	ASTM D638
Flexural Modulus	1250	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	170	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	99.0	°C	ASTM D648
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