

Moplen EP549N

Polypropylene Impact Copolymer

HMC Polymers

Message:

Medium melt flow polypropylene impact copolymer resin

Features:

- Good impact/stiffness balance
- Good dimensional stability/Low warpage
- Good processability/High flowability
- Low stress whitening
- Good UV stability
- Good thermal resistance
- Good sealing/Low fiber generatio

Applications:

- Battery cases
- Industrial containers
- Motorcycle parts

General Information			
Features	Fast Molding Cycle		
	Good Dimensional Stability		
	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	Good Thermal Stability		
	Good UV Resistance		
	High Flow		
	Impact Copolymer		
	Low Warpage		
Uses	Battery Cases		
	Industrial Containers		
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)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	26.0	MPa	ASTM D638
Tensile Elongation (Yield)	6.0	%	ASTM D638
Flexural Modulus	1350	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	100	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45
MPa, Unannealed)

100

°C

ASTM D648

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