

Bapolene® PP5082

Polypropylene Impact Copolymer

Bamberger Polymers, Inc.

Message:

Bapolene PP 5082 is a multipurpose, high flow impact copolymer with excellent color and processability. This resin also exhibits a superior balance of stiffness and impact strength. This product meets the FDA requirements of 21CFR 177.1520.

General Information			
Features	General Purpose		
	Good Colorability		
	Good Processability		
	High Impact Resistance		
	High Stiffness		
	Impact Copolymer		
Uses	Appliances		
	Containers		
	General Purpose		
	Household Goods		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.903	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	26.9	MPa	ASTM D638
Tensile Elongation ² (Yield)	5.0	%	ASTM D638
Flexural Modulus - 1% Secant	1240	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	98.9	°C	ASTM D648
NOTE			
1.	51 mm/min		

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