

Bapolene® PP5010

Polypropylene Copolymer
Bamberger Polymers, Inc.

Message:

Bapolene PP5010 is an extrusion PP high impact copolymer with excellent color and processability. It offers extra high impact strength and low temperature properties.

General Information			
Features	Copolymer		
	Good Processability		
	High Impact Resistance		
Uses	Automotive Applications		
	Blown Containers		
	Piping		
	Profiles		
	Tubing		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion		
	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.50	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	27.6	MPa	ASTM D638
Tensile Elongation ²			ASTM D638
Yield	15	%	
Break	> 500	%	
Flexural Modulus - 1% Secant (50.8 mm)	1310	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	87.0	°C	ASTM D648
NOTE			

1.	51 mm/min
2.	51 mm/min

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

