

# Formolene® 6507N

Polypropylene Impact Copolymer

Formosa Plastics Corporation, U.S.A.

## Message:

Formolene® 6507N is a medium impact copolymer of polypropylene characterized by its easy mold flow, physical property balance and excellent dimensional stability. It has found use in applications including automotive child seating and carriers, and light appliances where impact strength is critical through a full range of temperature conditions.

General Information			
UL YellowCard	E205741-100053614		
Features	Good Dimensional Stability		
	Good Flow		
	Good Impact Resistance		
	Medium Impact Resistance		
Uses	Appliances		
	Automotive Applications		
	Child Safety Seats		
Agency Ratings	EC 1907/2006 (REACH)		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (Injection Molded)	94		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, Injection Molded)	24.8	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, Injection Molded)	6.0	%	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup> (Injection Molded)	1140	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-18°C, Injection Molded	69	J/m	
23°C, Injection Molded	200	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, Injection Molded	100	°C	
1.8 MPa, Unannealed, Injection Molded	54.0	°C	
NOTE			

1.	50 mm/min
2.	50 mm/min
3.	1.3 mm/min

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#### Recommended distributors for this material

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