

Formolene® 6510E

Polypropylene Impact Copolymer

Formosa Plastics Corporation, U.S.A.

Message:

Formolene® 6510E is a medium impact, copolymer of polypropylene characterized by physical property balance and excellent dimensional stability. It contains a unique combination of stabilizers, which give it excellent processing and usage performance. Typical applications include molding of consumer products, household items, appliances and lawn & garden Items.

General Information			
Additive	Unspecified Stabilizer		
Features	General Purpose		
	Good Dimensional Stability		
	Good Processability		
	Impact Copolymer		
	Medium Impact Resistance		
Uses	Appliances		
	Consumer Applications		
	General Purpose		
	Household Goods		
	Lawn and Garden Equipment		
Agency Ratings	EC 1907/2006 (REACH)		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Injection Molded)	24.8	MPa	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	1100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	95.0	°C	ASTM D648

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

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