

Formolene® 6630A

Polypropylene Impact Copolymer

Formosa Plastics Corporation, U.S.A.

Message:

Formolene 6630A is a high impact copolymer of polypropylene designed and formulated for injection molded applications. It contains a unique combination of stabilizers, nucleators and antistat that provides an optimum balance of stiffness and cold temperature impact. It exhibits an excellent range of physical and thermodynamic properties which make it an ideal choice for critical applications in the areas of automotive, appliances and lawn & garden.

General Information			
Additive	Antistatic Nucleating Agent		
Features	Antistatic Good Stiffness Impact Copolymer Low Temperature Impact Resistance Nucleated		
Uses	Appliances Automotive Applications Lawn and Garden Equipment		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Pellets		
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)	30	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Injection Molded)	19.3	MPa	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	862	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, Injection Molded	43	J/m	
-18°C, Injection Molded	59	J/m	
23°C, Injection Molded	530	J/m	
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	90.0	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

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