Formolene® 6630A

Tuesday, November 5, 2019

Formosa Plastics Corporation, U.S.A. - Polypropylene Impact Copolymer

General Information

Product Description

Formolene® 6630A is a high impact copolymer of polypropylene designed and formulated for injection-molded applications. It contains a unique combination of stabilizers and nucleators which 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.

This material is free of animal-derived content.

General			
Material Status	• Commercial: Active		
Availability	• North America		
Additive	• Antistatic	• Nucleating Agent	
Features	• Antistatic • Good Stiffness	• Impact Copolymer • Low Temperature Impact Resistance	• No Animal Derived Components • Nucleated
Uses	• Appliances	• Automotive Applications	• Lawn and Garden Equipment
Agency Ratings	• EC 1907/2006 (REACH)		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ASTM D1505
Melt Mass-Flow Rate (230°C/2.16 kg)	30	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [2] (Yield, Injection Molded)	2700	psi	ASTM D638
Tensile Elongation [2] (Yield, Injection Molded)	6.0	%	ASTM D638
Flexural Modulus - 1% Secant [3] (Injection Molded)	125000	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256A
-22°F, Injection Molded	0.81	ft·lb/in	
0°F, Injection Molded	1.1	ft·lb/in	
73°F, Injection Molded	10	ft·lb/in	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 psi, Unannealed, Injection Molded	194	°F	

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] 2.0 in/min

[3] 0.051 in/min