Formolene® 6620A

Polypropylene Impact Copolymer

Formosa Plastics Corporation, U.S.A.

Message:

Formolene® 6620A is a copolymer of polypropylene designed and formulated for injection molding applications including pails, crates and furniture. It contains a unique combination of stabilizers for good processing and long term, end use performance. It has an excellent balance of stiffness and impact strength necessary for demanding applications.
Formolene® 6620A meets all requirements of the U. S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles and components of articles intended for direct food contact.

General Information			
Additive	Unspecified Stabilizer		
Features	Food Contact Acceptable Good Impact Resistance Good Processability Good Stiffness Impact Copolymer		
Uses	Containers Furniture Pails		
Agency Ratings	EC 1907/2006 (REACH) FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.900	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale, Injection Molded)	95		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield, Injection Molded)	21.4	MPa	ASTM D638
Tensile Elongation [2] (Yield, Injection Molded)	7.5	%	ASTM D638
Flexural Modulus - 1% Secant [3] (Injection Molded)	965	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)	85.0	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

Recommended distributors for this material

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