Formolene® 6610A

Polypropylene Impact Copolymer

Formosa Plastics Corporation, U.S.A.

Message:

Formolene® 6610A is a high impact copolymer of polypropylene designed for such injection applications as automotive compounding, lawn & garden products and appliances. It is characterized by an excellent physical property balance of stiffness and impact at room temperature and sub-ambient conditions as well as finished product dimensional stability. It contains a unique combination of stabilizers, which provide excellent processing and usage performance.
Formolene® 6610A 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 Dimensional Stability Good Processability High Impact Resistance High Stiffness Impact Copolymer Low Temperature Impact Resistance
Uses	Appliances Automotive Applications Lawn and Garden Equipment
Agency Ratings	EC 1907/2006 (REACH) FDA 21 CFR 177.1520
Forms	Pellets
Processing Method	Compounding 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)	10	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale, Injection Molded)	111		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield, Injection Molded)	22.1	MPa	ASTM D638
Tensile Elongation [2] (Yield, Injection Molded)	6.0	%	ASTM D638

Flexural Modulus - 1% Secant [3] (Injection Molded)	1000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, Injection Molded	80	J/m	
-18°C, Injection Molded	91	J/m	
23°C, Injection Molded	590	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, Injection Molded	95.0	°C	
1.8 MPa, Unannealed, Injection Molded	50.0	°C	
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China