Formolene® 2610A

Polypropylene Impact Copolymer

Formosa Plastics Corporation, U.S.A.

Message:

Formolene® 2610A is a high impact copolymer of polypropylene designed for such applications as Automotive Compounds and injection molding of Lawn & Garden products and Appliances. It is characterized by its easy mold flow, excellent physical property balance of stiffness and impact at room temperature and sub ambient conditions as well as finished product dimensional stability.
Formolene® 2610A complies with the U. S. Food and Drug Administration regulation 21 CFR 177.1520(c)(3.4). This material may only be used in contact with foods of type I, II, III, IV-B, VI, VII, VIII and IX as described in Table 1 of 21 CFR 176.170(c)

General Information	
UL YellowCard	E205741-228211
Features	Food Contact Acceptable Good Dimensional Stability Good Flow Good Stiffness High Impact Resistance Impact Copolymer Low Temperature Impact Resistance
Uses	Appliances Automotive Applications Lawn and Garden Equipment
Agency Ratings	EC 1907/2006 (REACH) FDA 21 CFR 176.170(c), Table 1 FDA 21 CFR 177.1520(c) 3.4
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)	105		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield, Injection Molded)	20.3	MPa	ASTM D638

Tensile Elongation [2] (Yield, Injection Molded)	6.0	%	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	91	J/m	
-18°C, Injection Molded	100	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	85.0	°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

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