

Formolene® 2620A

Polypropylene Impact Copolymer

Formosa Plastics Corporation, U.S.A.

Message:

Formolene® 2620A is a high impact copolymer of polypropylene designed for applications such as automotive compounds and 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® 2620A 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	E205741-100037464
Features	Food Contact Acceptable
	Good Dimensional Stability
	Good Flow
	Good Impact Resistance
	Good Processability
	Good Stiffness
	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)
	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/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	17.9	MPa	ASTM D638
Tensile Elongation ² (Yield)	5.0	%	ASTM D638

Flexural Modulus - 1% Secant ³	827	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
-30°C	85	J/m	ASTM D256
-18°C	96	J/m	ASTM D256A
0°C	180	J/m	ASTM D256A
23°C	590	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	88.0	°C	
1.8 MPa, Unannealed	48.0	°C	
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

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