

Formolene® 2302E

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

Message:

Formolene® 2302E is a low flow, medium impact polypropylene copolymer designed for extrusion applications. It is a barefoot resin with a basic stabilization package.
Potential applications include thermoforming and corrugated sheet which require good surface characteristics for high quality printing.
Formolene® 2302E 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	
Features	Low Flow
	Medium Impact Resistance
Uses	Corrugated Sheet
	Printing Sheet
Agency Ratings	FDA 21 CFR 177.1520
Processing Method	Coextrusion
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.7	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	27.6	MPa	ASTM D638
Tensile Elongation ² (Yield)	9.0	%	ASTM D638
Flexural Modulus - 1% Secant ³	1170	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	90.0	°C	ASTM D648

NOTE	
1.	50 mm/min
2.	50 mm/min
3.	1.3 mm/min

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