

Formolene® 3435E

Polypropylene Random Copolymer

Formosa Plastics Corporation, U.S.A.

Message:

Formolene® 3435E is a high melt flow random copolymer with fast cycle time and easy mold release. It is designed for injection molding including thin wall applications requiring a higher level of impact resistance. Its clarity and low yellow index makes it an excellent choice for 'see-through' house wares and rigid packaging.

Formolene® 3435E 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	Fast Molding Cycle		
	Good Mold Release		
	High Flow		
	High Impact Resistance		
Uses	Containers		
	Household Goods		
	Transparent Parts		
	Vials		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	25.5	MPa	ASTM D638
Tensile Elongation ² (Yield)	16	%	ASTM D638
Flexural Modulus - 1% Secant ³	862	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	85	J/m	ASTM D256
Gardner Impact (23°C)	25.4	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	72.2	°C	ASTM D648
Additional Information	Nominal Value	Unit	Test Method
Injection Haze Plaque (1.00 mm)	10	%	FTTC 5606
NOTE			

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

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