

Formolene® 2520A

Polypropylene Impact Copolymer

Formosa Plastics Corporation, U.S.A.

Message:

Formolene® 2520A is a medium impact copolymer of polypropylene for injection applications including House wares and small appliances. It characterized by its easy mold flow, physical property balance and excellent dimensional stability. It contains a unique combination of stabilizers, which provide excellent processing and usage performance.

Formolene® 2520A 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			
UL YellowCard	E205741-228208		
Additive	Unspecified Stabilizer		
Features	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Flow		
	Good Processability		
	Impact Copolymer		
Uses	Medium Impact Resistance		
Agency Ratings	Appliances		
	Household Goods		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Forms	Pellets		
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/3.8 kg)	20	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)	26.2	MPa	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	1070	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256

0°C, Injection Molded	120	J/m	
23°C, Injection Molded	100	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	90.0	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

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