

Formolene® 6520A

Polypropylene Impact Copolymer

Formosa Plastics Corporation, U.S.A.

Message:

Formolene® 6520A is a medium impact copolymer of polypropylene characterized by its easy mold flow, physical property balance and excellent dimensional stability. It has found use in applications such as closures, housewares and small appliances.

Formolene® 6520A 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	E205741-228227		
Features	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Flow		
	Impact Copolymer		
	Medium Impact Resistance		
Uses	Appliances		
	Closures		
	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/2.16 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)	24.1	MPa	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	1140	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
0°C, Injection Molded	91	J/m	

23°C, Injection Molded	130	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	93.0	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

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