

Eastar™ EN067, Natural

Copolyester
Eastman Chemical Company

Message:

Eastar™ Copolyester EN067 is a copolymer PET with good color. This product is supplied as a crystalline pellet that has improved flowability characteristics. Due to slower crystallization kinetics, this product is capable of producing a part free of crystalline haze upon injection molding. This product has been GREENGUARD INDOOR AIR QUALITY CERTIFIED®.

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General Information			
Features	Copolymer		
	Crystalline		
	Good Colorability		
	Good Flow		
Uses	Bottles		
	Cosmetic Packaging		
	Packaging		
	Personal Care		
	Sporting Goods		
	Toothbrush Handles		
	Toys		
	Writing Instruments		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.20 to 0.50	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 23°C	57.0	MPa	
Break, 23°C	24.0	MPa	
Tensile Elongation			ASTM D638
Yield, 23°C	4.0	%	

Break, 23°C	130	%	
Flexural Modulus (23°C)	2600	MPa	ASTM D790
Flexural Strength (23°C)	81.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	29	J/m	
23°C	58	J/m	
Unnotched Izod Impact			ASTM D4218
-40°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	66.0	°C	
1.8 MPa, Unannealed	61.0	°C	
Optical	Nominal Value	Unit	Test Method
Transmittance			ASTM D1003
Total	84.0	%	
Regular	81.0	%	
Injection	Nominal Value	Unit	
Drying Temperature	150 to 160	°C	
Drying Time	4.0 to 6.0	hr	
Processing (Melt) Temp	270 to 290	°C	
Mold Temperature	10.0 to 30.0	°C	

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Recommended distributors for this material

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