Eastar™ EB062

Copolyester

Eastman Chemical Company

Message:

Eastar™ Copolyester EB062 is a resin specifically developed for extrusion blown bottles where aesthetics such as high clarity and gloss, coupled with design flexibility, drive demand. Compared to commonly used materials, Eastar™ copolyester EB062 runs on most standard processing equipment. Extremely high melt strength makes the resin an excellent choice when manufacturing bottles.
This product has been GREENGUARD INDOOR AIR QUALITY CERTIFIED®.
The GREENGUARD INDOOR AIR QUALITY CERTIFIED® Mark is a registered certification mark used under license through the GREENGUARD Environmental Institute (GEI). GEI is an industry-independent, non-profit organization that oversees the GREENGUARD Certification Program. The GREENGUARD Certification Program is an industry independent, third-party testing program for low-emitting products and materials for indoor environments. For more information about GEI and to obtain printable certificates for Eastman™ Copolyesters, visit www.greenguard.org. Choose Eastman Chemical Company under the Manufacturer category and click search to display a list of our products.
This product is certified to NSF/ANSI Standard 51 for Food Equipment Materials.
This product has been CRADLE TO CRADLE CERTIFIED Silver.
The CRADLE TO CRADLE CERTIFIED Mark is a registered certification mark used under license through McDonough Braungart Design Chemistry (MBDC). MBDC is a global sustainability consulting and product certification firm. The CRADLE TO CRADLE® framework moves beyond the traditional goal of reducing the negative impacts of commerce ('eco-efficiency'), to a new paradigm of increasing its positive impacts ('eco-effectiveness'). At its core, Cradle to Cradle design perceives the safe and productive processes of nature's 'biological metabolism' as a model for developing a 'technical metabolism' flow of industrial materials. Product components can be designed for continuous recovery and reutilization as biological and technical nutrients within these metabolisms. For more information about MBDC and to obtain printable certificates for Eastman Copolyesters, visit www.mbdc.com. Choose Eastman Chemical Company under Company Name in C2C Certified products to display a list of our products.

General Information	
Features	Barrier Resin
	Good Chemical Resistance
	Good Colorability
	Good Flexibility
	Good Impact Resistance
	Good Melt Strength
	Good Stiffness
	Good Toughness
	High Clarity
	High Gloss
Uses	Blow Molding Applications
	Bottles
	Cosmetic Packaging
	Personal Care
Agency Ratings	NSF 51
Forms	Pellets
Processing Method	Extrusion Blow Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.30	%	ASTM D955

Color			ASTM D2244
a	-0.20		
b	0.60		
L	95		
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale, 23°C)	105		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	1900	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield, 23°C	47.0	MPa	
Break, 23°C	48.0	MPa	
Tensile Elongation			ASTM D638
Yield, 23°C	5.0	%	
Break, 23°C	300	%	
Flexural Modulus (23°C)	1900	MPa	ASTM D790
Flexural Strength (23°C)	65.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-40°C	63	J/m	
23°C	No Break		
Unnotched Izod Impact			ASTM D4218
-40°C	No Break		
23°C	No Break		
Instrumented Dart Impact			ASTM D3763
-40°C, Energy at Peak Load	39.0	J	
0°C, Energy at Peak Load	41.0	J	
23°C, Energy at Peak Load	41.0	J	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	73.0	°C	
1.8 MPa, Unannealed	63.0	°C	
Vicat Softening Temperature	85.0	°C	ASTM D1525
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (60°)	143		ASTM D2457
Transmittance			ASTM D1003
Regular	87.0	%	
Total	91.0	%	
Haze	1.3	%	ASTM D1003

Recommended distributors for this material

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