

Eastman Aspira EB062 Copolyester Resin for Extrusion Blown Bottles

Category : Polymer , Thermoplastic , Polyester, TP

Material Notes:

Applications:Beverage packagingBottlesExtrusion blow moldingFood packagingPersonal care bottles**Key Attributes:**Easy to extrude, cut, print and sealEffective barrier propertiesExcellent chemical resistanceExcellent clarityExcellent colorabilityGood impact strengthGood stiffnessHigh gloss appearanceToughness**Product Description:** Eastman Aspira 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, Eastman Aspira copolyester EB062 runs on most standard processing equipment. Extremely high melt strength makes the resin an excellent choice when manufacturing large bottles.This product has been GREENGUARD INDOOR AIR QUALITY CERTIFIED®. This product is certified to NSF/ANSI Standard 51 for Food Equipment Materials. This product has been CRADLE TO CRADLE CERTIFIEDcm Silver.Information Provided by Eastman™

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eastman-Aspira-EB062-Copolyester-Resin-for-Extrusion-Blown-Bottles.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in³	ASTM D792
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
Tensile Strength at Break	48.0 MPa	6960 psi	ASTM D638
Tensile Strength, Yield	47.0 MPa	6820 psi	ASTM D638
Elongation at Break	300 %	300 %	ASTM D638
Elongation at Yield	5.0 %	5.0 %	ASTM D638
Tensile Modulus	1.90 GPa	276 ksi	ASTM D638
Flexural Strength	65.0 MPa	9430 psi	ASTM D790
Flexural Modulus	1.90 GPa	276 ksi	ASTM D790
Izod Impact, Notched	0.630 J/cm	1.18 ft-lb/in	ASTM D256
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	NB	NB	ASTM D256
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Unnotched	NB	NB	ASTM D4812
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Mechanical Properties	Metric	English	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	ASTM D4812
Puncture Energy	39.0 J	28.8 ft-lb	At Max load; ASTM D3763
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	41.0 J	30.2 ft-lb	At Max load; ASTM D3763
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	41.0 J	30.2 ft-lb	At Max load; ASTM D3763
	@Temperature 0.000 °C	@Temperature 32.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	73.0 °C	163 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	63.0 °C	145 °F	ASTM D648
Vicat Softening Point	85.0 °C	185 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	1.3 %	1.3 %	ASTM D1003
Gloss	143 %	143 %	at 60°; ASTM D2457
Transmission, Visible	87 %	87 %	Regular; ASTM D1003
	91 %	91 %	Total; ASTM D1003

Descriptive Properties	Value	Comments
Color	-0.2	a*, ASTM D2244
	0.6	b*, ASTM D2244
	95	L*, ASTM D2244

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China