

Array™ EBM

Polyethylene Terephthalate

DAK Americas LLC

Message:

Polyethylene terephthalate resin

Array® EBM polyethylene terephthalate (PET) resin is designed to have the melt strength and slow crystallization rate required to produce large handle ware containers by extrusion blow molding. It performs exceptionally well in the manufacture of thick walled containers where maintaining clarity and neutral color are important. The higher intrinsic viscosity of this product gives the melt strength required to maintain parison shape in continuous extrusion.

This product can be used with up to 50% in-plant regrind provided that the regrind has been dried.

In addition, DAK has designed Array® EBM to be recyclable with other PET products and this product has met the APR Critical Guidance Document guidelines for PET

Food Contact

Array® EBM is ideally suited for food packaging applications and may be used in contact with food as described on Food Contact Notification (FCN) 635 in full compliance with the Federal Food, Drug and Cosmetic Act.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	High Clarity		
	High Viscosity		
	Recyclable Material		
Uses	Containers		
	Medical/Healthcare Applications		
	Pharmaceuticals		
	Thick-walled Parts		
Agency Ratings	FDA FCN 635		
Appearance	Clear/Transparent		
	Natural Color		
Processing Method	Extrusion		
	Extrusion Blow Molding		
Physical	Nominal Value	Unit	Test Method
Acetaldehyde	< 2.0	ppm	Internal Method
Color			Internal Method
CIE b*	-3.0 to 2.0		
CIE L*	77 to 85		
Intrinsic Viscosity	1.1	dl/g	Internal Method
Moisture Content - as packaged	< 0.25	wt%	Internal Method
Chip Size - nominal	49.0 to 59.0	count/g	Internal Method

Fines - as packaged, +24 Mesh Size	< 0.1	wt%	Internal Method
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	235 to 245	°C	Internal Method
Extrusion	Nominal Value	Unit	
Drying Temperature	149 to 171	°C	
Drying Time	5.0 to 6.0	hr	
Melt Temperature	250 to 280	°C	

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