

DAK Americas Laser+® C E61A PET

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), Unreinforced

Material Notes:

Product Description: Laser+® C (E61A) is a unique copolymer particularly suited for use in the custom PET container applications where clarity and neutral color and desired. It is a medium intrinsic viscosity (IV) product that gives the end user a strong clear bottle and offers excellent processing and consistency. **Typical Properties:** Bi-orientation of Laser+® C (E61A) by injection/stretch blow molding provides optimal barrier and mechanical properties, including excellent vacuum performance. It performs well in both single- and two-stage processes used in the manufacturing of PET containers. Laser+® C (E61A) offers excellent clarity and color, while maintaining good reheat characteristics for stretch blow molding. In addition, because it is a copolymer resin, it offers reduced crystallization rates and a wide processing window. **Certification:** Laser+® C (E61A) is ideally suited for food packaging applications and is considered in compliance with the Food and Drug Administration (FDA) Food Contact Notification (FCN) 000635, covering PET polymers. Information provided by DAK Americas

Order this product through the following link:

http://www.lookpolymers.com/polymer_DAK-Americas-Laser-C-E61A-PET.php

Physical Properties	Metric	English	Comments
Bulk Density	0.870 g/cc	0.0314 lb/in ³	DAK-QAR-SOP-0018
Particle Size	3000 µm	3000 µm	Flat Cylinder Shape; DAK-QAR-SOP-0017
Particle Mesh Size	24 Mesh	24 Mesh	Fines: <0.1%, as packaged; DAK-QAR-SOP-0014
Viscosity Measurement	0.79 - 0.83	0.79 - 0.83	[dL/g], Intrinsic; DAK-QAR-SOP-0012
Crystallinity	>= 50 %	>= 50 %	DAK-QAR-SOP-0016

Thermal Properties	Metric	English	Comments
Melting Point	246 °C	475 °F	nominal; DAK-QAR-SOP-0016

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.25 %	<= 0.25 %	DAK-QAR-SOP-0013; as packaged

Descriptive Properties	Value	Comments
Chip Size	48-58 chips/g	nominal, DAK-QAR-SOP-0015
Color	-3.2-0.8 CIE	b*, DAK-QAR-SOP-0011
	82.5-86.5 CIE	L*, DAK-QAR-SOP-0011
Compounds	<2 ppm	Acetaldehyde, DAK-QAR-SOP-0010

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