

DAK Americas Laser+® C91A PET

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

Material Notes:

Product Description: Laser+® (C91A) polyethylene terephthalate (PET) resin is a copolymer formulated for conversion to PET bottles by conventional single or two-stage processing technology. **Typical Properties:** Bi-orientation of Laser+® (C91A) by injection/stretch blow molding provides optimal barrier and mechanical properties, including superior stress crack resistance. It performs exceptionally well in the manufacture of CSD bottles made from thick-wall performs, where heatup rate and temperature profile through the wall are important. DAK has reengineered Laser+® (C91A), improving acetaldehyde (AA) performance without sacrificing intrinsic viscosity (IV), to meet increasing demand for CSD applications. Laser+® (C91A) offers superior heat absorption and processing control, even at higher blowing speeds. A slower crystallization rate enables high injection molding output. **Certification:** Laser+® (C91A) is ideally suited for food packaging applications and is considered in compliance with the Food and Drug Administration (FDA) Food Contact Notification (FCN) 000635, and Health Canada Heat Products and Food Brach (HPFB) file KS 05103104 for PET polymers. Information provided by DAK Americas

Order this product through the following link:

http://www.lookpolymers.com/polymer_DAK-Americas-Laser-C91A-PET.php

Physical Properties	Metric	English	Comments
Bulk Density	0.857 g/cc	0.0310 lb/in ³	DAK-QAR-SOP-0018
Particle Size	3000 µm	3000 µm	Spherical Shape; DAK-QAR-SOP-0017
Particle Mesh Size	24 Mesh	24 Mesh	Fines: <0.1%, as packaged; DAK-QAR-SOP-0014
Viscosity Measurement	0.81 - 0.85	0.81 - 0.85	Intrinsic; DAK-QAR-SOP-0012
Crystallinity	>= 35 %	>= 35 %	DAK-QAR-SOP-0016

Thermal Properties	Metric	English	Comments
Melting Point	244 °C	471 °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	49-59 chips/g	nominal, DAK-QAR-SOP-0015
Color	-5 - -1 CIE	b*, DAK-QAR-SOP-0011
	74.5-78.5 CIE	L*, DAK-QAR-SOP-0011
Compounds	<2 ppm	Acetaldehyde, DAK-QAR-SOP-0010

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