

DAK Americas Laser+® HS CF746A (D53A) PET

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

Material Notes:

Product Description: Laser+® HS CF746A (D53A) polyethylene terephthalate (PET) resin is designed for conversion to PET packaging by injection stretch blow-molding using commercial heat-set technology. **Typical Properties:** Laser+® HS CF746A (D53A) is a low DEG moderate CHCD copolymer designed for processes requiring faster crystallization rates, higher glass transition and melting points, but balancing injection molding cycle speed and superior container appearance. **Certification:** Laser+® CF746A (D53A) 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 Health Products and Food Branch (HPFB) file KS 07042303 for PET polymers. Information provided by DAK Americas

Order this product through the following link:

http://www.lookpolymers.com/polymer_DAK-Americas-Laser-HS-CF746A-D53A-PET.php

Physical Properties	Metric	English	Comments
Bulk Density	0.849 g/cc	0.0307 lb/in ³	DAK-QAR-SOP-0018
Particle Size	2500 µm	2500 µm	Cubical Shape; DAK-QAR-SOP-0017
Particle Mesh Size	24 Mesh	24 Mesh	Fines: <0.05%, as packaged; DAK-QAR-SOP-0014
Viscosity Measurement	0.80 - 0.84	0.80 - 0.84	[dL/g], 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	53-73 chips/g	nominal, DAK-QAR-SOP-0015
Color	>77.5 CIE	L*, DAK-QAR-SOP-0011
	-2.8 -0.2 CIE	b*, DAK-QAR-SOP-0011
Compounds	<1 ppm	Acetaldehyde, DAK-QAR-SOP-0010

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