DAK Americas Laser+® HS Ti818 (G51A) PET

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

Material Notes:

Laser+® HS Ti818 (G51A) polyethylene terephthalate (PET) resin is designed for conversion to PET packaging by injection stretch blow-molding using commercial heat-set technology.Laser+® HS Ti818 (G51A) is a low to moderate copolymer, antimony free and titanium catalyzed polymer designed for processes requiring faster crystallization rates, higher glass transition and melting points, but balances injection molding cycle speed and superior container performance.Certification: Laser+® Ti818 (G51A) is ideally suited for food packaging applications and is considered in compliance with the Food and Drug Administration (FDA) Food Contact Notification (FCN) 000085.Information provided by DAK Americas

Order this product through the following link:
http://www.lookpolymers.com/polymer_DAK-Americas-Laser-HS-Ti818-G51A-PET.php

Physical Properties	Metric	English	Comments
Bulk Density	0.897 g/cc	0.0324 lb/in³	DAK-QAR-SOP-0018
Particle Size	3000 µm	3000 µm	Cylindrical 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 - 0.81	0.79 - 0.81	[dL/g], Intrinsic; DAK-QAR-SOP-0012
Crystallinity	>= 45 %	>= 45 %	DAK-QAR-SOP-0016

Thermal Properties	Metric	English	Comments
Melting Point	240 °C	464 °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	59 chips/g	nominal, DAK-QAR-SOP-0015
Color	-5.0 - -1.0 CIE	b*, DAK-QAR-SOP-0011
	75.5-79.5 CIE	L*, DAK-QAR-SOP-0011
Compounds	<2 ppm	Acetaldehyde, DAK-QAR-SOP-0010

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