

## DAK Americas Laser+® W P41A PET

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

### Material Notes:

**Product Description:** Laser+® W (P41A) 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+® W (P41A) injection/stretch blow molding provides optimal barrier and mechanical properties, including superior stress crack resistance. It performs exceptionally well in the manufacture of water bottles where heat up rate and temperature profile through the wall are important. DAK has engineered Laser+® W (P41A) for water bottle use by providing a slightly low intrinsic viscosity (IV), allowing for a gentle injection molding process, and improved acetaldehyde (AA) performance. Laser+® W (P41A) offers superior heat absorption and processing control, even at higher blow molding speeds. A relatively slow crystallization rate enables high injection molding output. **Certification:** Laser+® (P41A) 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 05103107 for PET polymers. Information provided by DAK Americas

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DAK-Americas-Laser-W-P41A-PET.php](http://www.lookpolymers.com/polymer_DAK-Americas-Laser-W-P41A-PET.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.857 g/cc	0.0310 lb/in <sup>3</sup>	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	0.70 - 0.74	0.70 - 0.74	[dL/g], Intrinsic; DAK-QAR-SOP-0012
Crystallinity	>= 35 %	>= 35 %	DAK-QAR-SOP-0016

Thermal Properties	Metric	English	Comments
Melting Point	241 °C	466 °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	52-62 chips/g	nominal, DAK-QAR-SOP-0015
Color	-6.0 - -2.0 CIE	b*, BD-66060
	76-80 CIE	L*, BD-66060
Compounds	<1 ppm	Acetaldehyde, DAK-QAR-SOP-0010

Descriptive Properties	Value	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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