

## DHUNSERI PETROCHEM LTD.

### PRODUCT DATASHEET

**Product:** Polyethylene Terephthalate (PET) bottle grade Polymer

**Grade:** ASPET AS21CF

#### **Sales Specification:**

Property	Unit	Value	Test Method	Equipment
Intrinsic Viscosity	dl/g	0.84 ± 0.02	ASTM D 4603-3	AVS
Acetaldehyde	ppm	≤ 1	DPL-3212	HSGas Chromatograph
Crystallinity	%	≥ 50	DPL-3216	DGC
Dust Content	ppm	≤100	DPL-3217	Dry Sieve
Melting Point	°C	248±2	DPL-3211	DSC
L* Color	CIE	83.5±2	DPL-3210	Colorimeter
b* Color	CIE	-1.5±1	DPL-3210	Colorimeter
Moisture (When Packed)	%	≤0.25	DPL-3219	Coulometric
Weight per 100 chips	gm	≤1.7	DPL-3220	Gravimetric
-COOH group	meq/kg	≤ 30	DPL-3207	Auto Titrator

#### **Product Description:**

General Purpose food grade PET Copolymer resin . Suitable for high pressure application such as Carbonated soft drinks, Sparkling water , Beers . ASPET AS21CF has inbuilt Fast Reheat additive to enhance absorption of Infra red radiation from IR lamps during the Re-heat Blow Molding Process providing advantages such as ; Lower preform temperature during blowing Lower oven temperature & less oven ventilation, Heating energy saving of 18 ~ 24 % in CSD performs, Possibility of increasing machine speed to a tune of 3 ~ 5 % , wider process window due to uniform heat distribution across the wall thickness of the perform, better wall thickness distribution and lower temperature processing that improves the overall strain hardening of the bottle wall and hence better gas barrier properties. . ASPET AS21CF is considered safe for food packaging application based upon compliance with FDA 21 CFR secn 177.1630, EC regulation 10/2011 , Coneg regulation for heavy metals and other similar food contact regulations.

#### **Warranty:**

DPL warrants its product comply with the specification and related regulatory compliance mentioned here above. DPL does not make any other warranty either expressed or implied regarding suitability of the product for any particular purpose. Buyers are requested to establish their own determination about safety, health , environmental protection and suitability of use for their intended purpose. As the above mentioned informations and/ or data are subjected to change based on continuous improvement, research and development . Users are requested to obtain latest information and / or data from offices of the Company.