



Standard Specifications of Polyester Chips
(Bottle Grade APE 80 – Prime)

S/N	Test	Method	Unit	Specification
1	I.V.—Phenol : 1,1,2,2, TCE (80:40 W/W) @ 25.0 °C	ASTM D - 4603	dl/ gm	0.800 ± 0.02
2	Carboxyl End groups	Titration Method	Meq /Kg	35 Max
3	ASH	Gravimetric Method	ppm	280 Max
4	Melting Point	By DSC	°C	247 ± 2
5	DEG	By Gas Chromatograph	%	1.40 ± 0.20
6	Moisture	KF Coulometer	%	< 0.10
7	Chips / gm	Number per Gram	No.	55 – 60
8	Colour Value (CIE Lab) L*	CIE Lab D65/10°	%	80.0 Min
	Colour Value (CIE Lab) b*	CIE Lab D65/10°	%	1.5 Max
9	Acetaldehyde Content	By Gas Chromatograph	ppm	< 1.00
10	Crystallinity	Density Gradient Column	%	55 Max