Phoenix (Recycled PET)

PET (Polyethylene terephthalate) is a thermoplastic polymer, widely used in packaging industry. PET has good barrier properties, which can be altered to suit as per requirements. Its major application includes Bottles for various Beverages and Food items. Use of PET bottles ncreased many folds in last few years and the growth is exponential.

To satisfy market needs of cost effective solution, recycling of PET has become need of an hour. Quality of recycled PET largely depends on source of raw material as well as purity of the source. PET granules quality includes color of the granules as well as I.V. (Intrinsic Viscosity) of the product. During recycling of PET, acetaldehyde level increases, which imparts yellowness to PET resin. This yellowness reflects the unacceptable quality of PET palettes. Recycling also reduces I.V. of the PET decreases which restricts its application in the area of film as well as bottle.

High content of low I.V. PET can not be used for producing PET film as well as bottles. After thorough research, we have developed indigenous technology to recycle PET flakes in high I.V.,controlled L,a,b properties PET granules .This also provide economical product for reuse

Phoenix A

Measurement	Test Method	Value
I.V.	Viscometer	0.6* / 0.7** / 0.8***
'b' Value	UV Spectrophotometer	0.4 max
Filtration	Internal	-
Melting Point	DSC	$< 256^0C$
Chips /gms	Internal	40 max
Density	Density Coloum	1.30
Appearance	Internal	Transparent

Above specifications can be modify as per customer requirement

- for Sheet and film application ** for Strap and yarn application *** for bottle applications

Phoenix C

Measurement	Test Method	Value
I.V.	Viscometer	0.6* / 0.7** / 0.8***
'b' Value	UV Spectrophotometer	0.4 max
Filtration	Internal	-
Melting Point	DSC	$< 256^0C$
Chips /gms	Internal	40 max
Density	Density Coloum	1.35
Appearance	Internal	Translucent

Above specifications can be modify as per customer requirement

* for Sheet and film application ** for Strap and yarn application *** for bottle applications