

## TK Series Physical Properties, Packaging & Resin Treat Ratio

### Applications

New Plastics Additive **Super Saving TK Series** can be used in various materials (PP, HDPE, LDPE, and PVC) and suitable for extrusion.

### Physical Properties

a) Specific Gravity	0.910+/-0.005
b) Moisture	0.1% Max.
c) Viscosity	25 cps / C
d) Boiling Point	250 deg. C up
e) PH Value	5.6
f) Chemical Ingredient	Acid esters DCP
g) Ionic Condition	Negative Ion
h) Effective Ingredients	99.9%
i) Appearance	Liquid, Powder & Masterbatch
j) Smell	Mild fatty alcohol
k) Stability	Hardly decompose or deteriorate under high temp.
l) Ignition Point	Non-inflammable
m) Contains no heavy metal ingredient and comply with food grade specifications	

### Packing

Liquid: Packed in a 53 Gallon iron barrel or 170 kgs per barrel (Net Weight of additives)

Powder TK Series: packed in 20 kgs bag.

Masterbatch TK Series: packed in 25 kgs bag.

**TK-1 or TK-2 vs. Base Resin Treat Ratio**

<b>Resin Combination</b>	<b>TK-1 or TK-2; % by weight vs. base resin</b>
100% Virgin	0.10
75% Virgin + 25% Regrind	0.10 - 0.15
50% Virgin + 50% Regrind	0.15 - 0.20
25% Virgin + 75% Regrind	0.20 - 0.30
100% Regrind	0.30 - 0.40 or more

**TK-3 (Masterbatch) vs. Base Resin Treat Ratio**

<b>Resin Combination</b>	<b>TK-3; % by weight vs. base resin</b>	<b>TK-3 in kgs per 1000 kgs of base resin</b>
100% Virgin	0.5 - 1.0	5 - 10
75% Virgin + 25% Regrind	1.0 - 1.5	10 - 15
50% Virgin + 50% Regrind	1.5 - 2.0	15 - 20
25% Virgin + 75% Regrind	2.0 - 2.5	20 - 25
100% Regrind	3.0 - 4.0 or Up	30 - 40 or More

**Important**

*The above dosage guideline is proposed by FONT USA and for customer's reference only. Users of TK additives need to define and adjust their optimal dosage according to their individual and unique plastic manufacturing machines and process.*