

Milliken® ClearTint™ PP CUV

Your color choice for clarified polypropylene

TECHNICAL DATA

ClearTint™ PP CUV is a transparent UV absorber specifically designed for use in polyolefins (PP, HDPE, LLDPE). This additive can be used to inhibit UV light transmission in injection molding, thermoforming and blow molding. The technical and physical benefits of clarified PP can be exploited without sacrificing product aesthetics.

Benefits

Pelletized concentrates:

Easy to use and easy to handle. Very rapid purge and short changeover time.

Polymeric colorants:

Transparent, bright, broad color space, uniform dispersion, non-nucleating, uniform shrinkage, no warpage, migration resistant, heat stable for regrind use.

Dosage

A typical dosage for ClearTint concentrates is 2%. This corresponds to a letdown of 50:1.

- Higher and lower dosages can be used to change the depth of the shade.
- ClearTint concentrates can be reformulated to modify the dosage while maintaining the same shade.

Melt temperature

ClearTint is designed for use at normal clarified PP processing temperatures.

- The maximum recommended temperature is 260°C.
- Small shade variations may occur when the processing temperature is changed. Consequently, processing conditions need to be controlled to avoid run-to-run shade variations.

Typical Properties

Physical form	Non dusting pellets
Color tolerance	Delta E (CMC)<1
Solubility in water	Negligible
Specific gravity	0.9
Melting point	121° C - 166° C
% Volatiles	Negligible %
Pellet size	45-55 pellets per gram

Light Stability

Not recommended where high lightfastness is required.

Food Contact Applications

FDA-compliance is subject to the specific color, dosage level, and food type. Please contact your Milliken representative for more details.

Storage and Shelf Life

Store product between 7° to 30°C in a sealed container below 80% relative humidity. Shelf life is 24 months under these conditions.

Availability

Available in 200 lb drums or 1,000 lb gaylords.

Please contact your Milliken representative for further product information including chemical registrations, food contact status, and other regulatory details.

PLEASE NOTE: As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at www.milliken.com/terms (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.

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