

Product Information

TROGAMID® UV eCO

**ADDITIVE MASTER BATCH BASED ON A TRANSPARENT
POLYAMIDE CONTAINING AN UV ABSORBER**

TROGAMID® UV eCO is an additive master batch based on a transparent polyamide containing an UV absorber.

The master batch can be mixed with granules of TROGAMID® CX7323, myCX high flow, CX9701 or CX9710 to achieve a high UV absorption for wave lengths shorter than 400nm (UV cut-off 400).
This property is mandatory for the production of high-quality sunglass lenses.

Transmission, tested according to ISO 13468-2 on 2 mm thick specimens:
(adding 5% TROGAMID® UV eCO in TROGAMID® CX7323, TROGAMID® myCX high flow or TROGAMID® myCX eCO)

Wave length 400 nm approx. 9 %
Wave length 380 nm approx. 3 %

Transmission, tested according to ISO 13468-2 on 2 mm thick specimens:
(adding 10% TROGAMID® UV eCO in TROGAMID® CX7323, TROGAMID® myCX high flow or TROGAMID® myCX eCO)

Wave length 400 nm approx. 5,0 %
Wave length 380 nm approx. 2,5 %

TROGAMID® UV eCO is supplied as cylindrical pellets in moisture-proof polyethylene packaging.

Key Features

Industrial Sector

Sustainable, Optics, Sports and Lifestyle

Optics

Transparent

Sustainability

eCO

Resistance to

UV / light / weathering

TROGAMID® myCX

Processing
Injection molding

Additives
Unfilled

Delivery form
Pellets, Granules

LCA-values	dry	Unit	Test Standard
LCA name of certificate	TROGAMID® UV_eCO	-	ISO 14040, 14044
LCA certifier	TÜV Rheinland	-	ISO 14040, 14044
Blue water consumption	32.3	kg	ISO 14040, 14044
Global Warming Potential incl. bio. C incl. LUC	5.1	kg CO ₂ eq./kg	ISO 14040, 14044
Global Warming Potential excl. bio. C incl. LUC	6.1	kg CO ₂ eq./kg	ISO 14040, 14044
Land use (ReCiPe 2016)	0.4	Annual crop eq. y	ISO 14040, 14044

Physical properties	dry	Unit	Test Standard
Moisture content	0.1	wt.-%	ISO 15512

Polymer analytics	dry	Unit	Test Standard
Viscosity number	3740	in ³ /lb	ISO 307, 1157, 1628

Characteristics

Applications
(Sun-) glasses, Lenses

Delivery form
Cylindrical pellets

Additives
Light stabilizer