

Technical Data Sheet

Technisches Datenblatt

141083 Iriotec[®] 8208

CHEMICAL COMPOSITION:	%	CAS NO.
Polyethylene, carrier	25 - 35%	25087-34-7
Sb2O3, encapsulated	65 - 75%	1309-64-4 (Sb2O3)

In Iriotec 8208, antimony trioxide is embedded in an impervious polymer matrix, which is encapsulated in microspheres. Under normal conditions of processing and handling Iriotec 8208 does not present a danger to human health or to the aquatic environment.

FORM:	granule
PACK SIZES:	1 kg, 20 kg
COLOR:	whitish
DENSITY:	1.4 – 1.8 g/cm ³
BULK DENSITY:	90 – 110 g/100 ml
APPLICATION MATERIALS	PP / PE / TPU / PET / PBT / POM / TPE / TPV / ABS / SEBS /PVC
PROCESSING TECHNOLOGIES:	Injection Molding, blow molding, extrusion, cast film, blown film,
DOSAGE:	0.5 – 3%

Iriotec 8208 usually requires no adjustment of the standard processing parameters of the thermoplastic polymer it is used in, as advised in the processing guidelines of the polymer supplier related to the specific processing technology. Iriotec 8208 can be pre-compounded, used as dry blend or fed by gravimetric or volumetric dosing. Optimum dispersion of the laser active particles in the thermoplastic polymer matrix may, in exceptional cases, require a temperature increase of 10-20°C and an increase of the back pressure. For optimal dispersion results we recommend to process Iriotec 8208 above 160°C.

HEAT STABILITY:	stable up to 280 °C
HS - NO.:	3926 9097
DATE OF ISSUE:	August 2012

We advise our customers regarding technical applications to the best of our knowledge within the scope of the possibilities open to us, but without obligation. Current laws and regulations must be observed at all times. This also applies in respect of any protected rights of third parties. Our suggestions do not relieve our customers of the necessity to test our products, on their own responsibility, for suitability for the purpose envisaged. Quotations from our literature are only permitted with our written authority, and the source must be stated.

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