

Information data sheet according to REACH regulations (EG) No. 1907/2006

1. Trade name Purpolen[®]

1.1 Use of the material Plastic regranulate (pellets) for injection moulding and extrusion

1.2 Company mtm plastics GmbH
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2. Possible risks

None

3. Composition/information on the ingredients

3.1 Chemical characteristics
Polypropylene and copolymers of propylene and other polyolefins

3.2 Hazardous ingredients
None

4. First aid measures

General information:

On contact with the skin: burns caused by melting material must be treated clinically.
Do not pull off congealed product from the skin.

On inhaling: ---

After contact with the eyes: draw back the eyelids and rinse thoroughly for 15 minutes in running water.

5. Fire-fighting measures

Suitable extinguishing media: aqueous or polymer film-forming expansion foam

Dry powder extinguishing agents: (only for the fire ignition phase)

Unsuitable for safety reasons: water jet

The following may be released in the event of a fire: CO, CO₂, soot

6. Measures in the event of accidental release

Spillages cause slippery surfaces and must therefore be removed mechanically and not be flushed into the sewage system.

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7. Handling and storage

Handling

Fire and explosion protection: Accumulations of fine particles (< 0.125 mm) must be avoided, especially in cases of pneumatic conveying. The material is flammable and therefore the relevant fire protection measures must be observed.

8. Limiting exposure and personal protective equipment

Additional information for the design of technical installations
(see 7)

Ingredients with workplace-related threshold values that require monitoring
None

Personal protective equipment
None

General protective and hygiene measures:
Good ventilation must be provided during processing. The inhalation of gaseous decomposition products that may be produced by significant overheating of the material must be avoided.

9. Physical and chemical properties

Form: granulate
Colour: varies according to the customer's specification
Odour: typical

Change of state

Melting temperature:	125 - 170 °C	(DSC-Analysis)
Ignition temperature:	> 350 °C	(ASTM D 1929)
Vapour pressure:	not applicable	
Density (23 °C):	0.9 - 0.98 g/cm ³ according to type	(DIN 53 479)
Bulk density:	> 480 kg/m ³	(DIN EN ISO 60)
Water solubility:	insoluble	

10. Stability and reactivity

Conditions to be avoided: ---
Thermal decomposition: > 340 °C (DTA)
Production of flammable gases/vapours.
Substances to be avoided: ---

Hazardous reactions: risk of dust explosion (see 7)
Hazardous decomposition products: monomer flammable gases / vapours

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11. Information on toxicology

In our experience and according to our information, the product has no negative effects on health if it is used correctly and in accordance with its intended purpose.

12. Information on ecology

Ecotoxicity

The product has not been tested. Based on its consistency and low solubility of the product in water, bioavailability is unlikely.

13. Information on disposal

Material:

Check for recycling potential. In accordance with local regulations, it can be disposed of in the same way as household waste or be taken to a suitable incinerating plant.

Waste code no. according to the Abfallverzeichnis-Verordnung (AVV) (German waste register regulation) for the unused product: 150102 (plastic packaging)

Uncleaned packaging: Packaging must be completely emptied.

14. Information on transport

Not regarded as dangerous goods in the sense of the transport regulations.

15. Regulations

Labelling according to EU guidelines (GefStoffV/EG) (EU dangerous materials regulation)

not required

National regulations

Water hazard classification: not hazardous to water.

16. Other information

The above information is based on the current status of our knowledge. It does not, however, constitute a guarantee for the properties of the product and does not form a basis for any legal contractual relationship.

The recipients of our product must observe existing laws and regulations on their own responsibility.
