

# Polypropylene Material Handling Sheet

1.1 Product Identification	
Tradename	Polypropylene
1.2 Company Identification	
Address	Direct Plastics Ltd Unit 14 Portland Business Park Sheffield S13 8HS
Emergency Number	0114 2560889 (during office hours)

2.1 Composition	
Chemical Composition	Article based on Polypropylene (PP), possibly containing glass fibre, reinforcing materials, fillers, pigments, dyes & additives.
2.2 Information on Ingredients	
This product contains no dangerous components	

3. Potential Risks	
This product is not harmful	



Direct Plastics Ltd. Unit 14 Portland Business Park, Richmond Park Road, Sheffield, S13 8HS

Tel: 0114 2560889 Email: [sales@directplastics.co.uk](mailto:sales@directplastics.co.uk)

The following information corresponds with our current knowledge and indicates our products and possible applications. We cannot give a legally binding guarantee of certain properties or the suitability for a specific application. Existing commercial patents must be observed. A definitive quality guarantee is given in our general conditions of sales.

Unless otherwise stated, these values represent averages taken from injection moulding samples.

We reserve the right of technical alterations.

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4. First Aid Measures	
Inhalation	After accidental inhalation of fumes or thermal decomposition products, using self-protection, remove the person from the danger zone and apply artificial respiration if necessary. Seek medical help, keep quiet and warm.
Skin Contact	After contact with molten polymer, immediately cool with cold water for a prolonged time. Remove affected clothing. Do not peel polymer from skin. Cover burns with sterile dressings. Obtain medical attention.
Eye Contact	If a foreign body (splinter, chip) enters the eye do not rub. Rinse immediately with plenty of water. Seek medical attention

5. Fire Fighting Measures	
Suitable Extinguishing Media	Water, foam, dry powder, carbon dioxide
Unsuitable Extinguishing Media	None known
Special Protective Equipment For Firefighting	Wear self contained breathing apparatus
Additional Advice	This product ignites in a flame and continues to burn on removal of the source. With thermal decomposition toxic and combustible gasses and steam are released. There is a danger of the fire spreading through spontaneous ignition of the gaseous decomposition products. Molten product must therefore be cooled with water. Water used to extinguish the fire and fire remainders must be collected. Fire hydrants must be controlled and water disposed of, in accordance with local regulations.



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<b>6. Accidental Release Measures</b>	
Environmental Precautions	Before entry of swarf waste to sewage it should be mechanically cleaned of product remainders.
Methods For Cleaning Up	Mechanical

<b>7.1 Handling</b>	
General Advice	Avoid overheating of material by improper handling Avoid dust generation
Technical Measures	For mechanical operations local extraction / ventilation is recommended to ensure that less than the 8.1 limit is achieved. Where dust is produced, measures must be taken to avoid statics electricity discharge.
<b>7.2 Storage</b>	
General Advice	The appropriate company regulations for fire prevention are to be followed
Special Requirements	None



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8.1 Exposure Controls	
Guidelines For Materials Within The Working Place	For mechanical operations the following are to be observed: General dust limit value: Inhalable dust: 10mg/m <sup>3</sup> Respirable dust: 3mg/m <sup>3</sup>
8.2 Personal Protection	
Respiratory Protection	During dusty operations use respiratory protection (dust mask P2)
Eye Protection	For mechanical operations wear safety glasses with side pieces
Skin Protection	Skin protection should be used (barrier cream) Persons sensitive to glass fibre reinforced products, loose fitting, tight works clothes should be worn
Hygiene Measures	General industrial hygiene regulations are to be observed Wash hands before breaks and at the end of the workday Do not eat, drink or smoke in the workplace

9. Exposure Controls	
Form	Solid (semifinished or finished parts)
Colour	Various, dependent on colourant
Odour	Odourless
Density (20°C)	0,91-1,14 g/cm <sup>3</sup> DIN 53479
Melting Point/Range	165°C DIN53765
Decomposition Temperature	>240°C
Ignition Temperature	Ca. 330°C ASTM-D 1929
Explosion Limits	Not applicable
Solubility (20°C)	Insoluble in water



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10. Stability & Reactivity	
Conditions to Avoid	Temperatures >240 °C (Start of the thermal decomposition)
Substances to Avoid	Strong oxidizing Media, halogens
Hazards Decomposition Products	With carbonization and incomplete combustion toxic gasses develop, predominantly carbon dioxide and carbon monoxide. In addition aliphatic hydrocarbons, aldehyde, ketone and fugitive fatty acids can be generated
Additional Information	None

## 11. Toxicological Information

With proper use and in accordance with regulations there are no known dangers to health.

Contact with molten product can cause burns.

With mechanical operations free glass fibre or dust can cause skin, respiratory and eye irritation. By following the rules there is little or no likelihood of inhaling fibre.

## 12. Ecological Information

Because of insolubility in water separation by filtration or sedimentation is possible.

## 13. Disposal Considerations

Uncontaminated product can be recycled.

If no use is possible, product waste can, in accordance with official local regulations, be mixed with household waste or incinerated in an appropriate place.

Waste product code No. for uncontaminated product (European waste catalogue): 20 01 39



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## 14. Transport Information

Not classified as dangerous in the meaning of transport regulations.

## 15. EU Guidelines

No warning necessary.



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