

[PTFE technical information] [PTFE safety information]

PTFE	NOTES
Indications to the manufacturer	Barkston Plastics Engineering Ltd Pontefract Lane Cross Green Leeds LS9 0DX TEL: 0113 2492200 FAX: 0113 2359900
Composition/Indications to components	PTFE (polytetrafluoroethylene) CAS-number (chemical abstract service registry number): PTFE 9002-84-0
Possible dangers	No critical hazards for men and environment in case of normal storing, handling and usage.
First aid measures	Inhalation: not expected to become significant inhalation hazard under normal conditions use. In Skin contact: in case molten material comes in contact with the skin, the skin needs to be rinsed abundantly with cold water. Do not try to remove the molten material. Get medical assistance for the removal of the tacky material and for the medical care of the burn. Eye contact: mechanical irritation, flush eyes with water.

Fire-fighting measures	<p>Suitable fire- fighting appliance: water, foam, dry chemical, carbon dioxide</p> <p>Special equipment for fire-fighters:</p> <p>Firemen should wear self-contained breathing apparatus and protective clothing to prevent contact with skin and/or eyes. If exposed to combustion fumes in a high concentration, bring the victim into fresh air. If molten material contacts skin, cool rapidly with cold water and obtain a medical attention for removal of adhering material and treatment of the burn.</p> <p>Fire fighting equipment should be decontaminated after use.</p>
Measures in case of unintended release	Not applicable
Handling and Storage	<p>Handling: no special regulation must be observed.</p> <p>Safe handling advice: during the machining of the stock shapes, evacuate swarf to prevent slipping or trapping hazard.</p> <p>Storage: unlimited good storage property.</p>
Limitations of exposure	Personal: protective equipment: gloves in case of frequent contact with warm material, safety goggles during the machining.
Physical and chemical characteristics	<p><u>Phenotype:</u></p> <p>Form: semi-finished product</p> <p>Smell: not distinguishable</p> <p><u>Change of state:</u></p> <p>Crystallite melting point: 342 °C</p> <p>Fire point: (not applicable)</p> <p>Solubility in water: insoluble</p>

	Density: 2.25-2.35 g/cm ³
Stability and reactivity	<p>Thermal decomposition: above appr.260°C</p> <p>Dangerous composition product: the main products formed in case of overheating or combustion are oxidized products containing carbon, fluorine and oxygen</p>
Toxic indications	<p>During several years of usage no effects being harmful for health were observed.</p> <p>Vapour can cause flu-like symptoms.</p>
Ecological indications	No biodegradation and no effect being harmful to the environment must be expected.
Waste disposal indications	When recycling is possible, incineration or landfill. Disposal methods must conform to local government regulations. This product does not contain cadmium pigments or cadmium stabilizers.
Transport indications	No dangerous product in respect to / according to transport regulations.
Instructions	Classification and labelling according to the relevant EU-directives is not required.
Further indications	<p>The indications are based on our today knowledge.</p> <p>They are meant to describe our products in respect to safety requirements. They do not represent any guarantee f the described product in sense of the legal guarantee regulations.</p>

Safety data sheet coming from city plastics