## **TIVAR<sup>®</sup> 1000 antistatic**



1. Producer / supplier

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**PRODUCT HANDLING INFORMATION SHEET** 

	Commercial product name:	TIVAR <sup>®</sup> 1000 antistatic		
	These products are 'articles' act	ese products are 'articles' according to the Regulation (EC) No 1907/2006 (REACH).		
	Material characterization:	Ultra high molecular weight polyethylene + carbon bl	ack [PE-UHMW-CD]	
3.	Product characteristics			
	Form:	semi-finished products (round rods, plates) / finished finished products	parts machined from semi-	
	Colour:	black	Test methods	
	Odour:	odourless		
	Density:	0.935 g/cm³	ISO 1183-1	
	Melting temperature:	135 °C	ISO 11357-1/-3	
	Glass transition temperature:	Values for this property are only given here for amorphous materials	ISO 11357-1/-2 s and not for semi-crystalline ones.	
	Thermal decomposition:	> 300 °C		
	Self ignition temperature:	> 330 °C	ASTM D 1929	
	Solubility in water:	insoluble		
4.	Handling and storage			
	nunung and Storage			
/	Machining: During machining of the semi-finished products, evacuate swarf to preslipping or tripping hazard and observe the maximum allowable concerdust levels on the workplace which apply in your country. Wear safety during machining.		allowable concentration of	
	Storage:	The products shall be stored indoors in a normal environment (air at 10 - 30°C / 30 - 70% RH) and kept away from any source of degradation such as sunlight, UV-lamps, chemicals (direct or indirect contact), ionising radiation, flames, etc. Dimensional changes (camber, warpage, shrinkage) of the products as well as slight colour shifts of the external surfaces can occur with time. The latter does generally not pose a problem in case of semi-finished products since the surface-layer is mostly removed anyway upon machining them into finished parts.		
	Safety measures:	Standard industrial safety recommendations shall be Temperatures above the melting temperature shall b		

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1/3

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5. Fire-fighting measures			
Suitable extinguishing media:	<ul> <li>Water, foam, dry chemical, CO<sub>2</sub>. Adapted to the nature and extend of fire.</li> <li>Toducts: The main products formed in case of overheating and combustion are carbon monoxide and carbon dioxide. Formation of further hazardous decomposition products depends upon the fire conditions and can not be excluded.</li> </ul>		
Hazardous decomposition pro			
Special protective equipment:	t: 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 medical attention for removal of adhering material and treatment of the burn.		
6. Disposal considerations	. Disposal considerations		
	<ul> <li>Waste Catalogue and Hazardous Waste List', uncontaminated waste from the hazardous. The following six-digit codes can be used:</li> <li>07 02 13 waste plastic from the manufacture, formulation, supply and use of plastics</li> <li>12 01 05 plastic shavings and turnings</li> <li>16 01 19 plastic, from end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance</li> <li>17 02 03 plastic construction and demolition wastes</li> <li>20 01 39 plastics from municipal wastes (household waste and similar commercial, industrial and institutional wastes)</li> </ul>		
Waste disposal:	When recycling is not feasible, waste disposal by incineration or landfill can be applied. Disposal methods shall conform to local or other government regulations. The products do not contain cadmium pigments or cadmium stabilisers. They are not biologically degradable, but based on the present state of knowledge no negative effects on the environment may be anticipated.		
7. Marking and transport inf	ormation		
Classification and labelling:	: Hazard warning labelling in accordance with relevant EC-Directives is not required.		
International transport regulati	International transport regulations: Not applicable		

## 8. Other information

**PRODUCT HANDLING INFORMATION SHEET** 

Consult the Quadrant website for the latest information on the Quadrant products (product data sheets, delivery programme, machining instructions, chemical resistance, regulatory information ...) as well as for our statements concerning the European Regulation (EC) No 1907/2006 (REACH).

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Please also note the disclaimer on page 3 of this document.

(2/3)



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