



## 1. Producer / supplier

PRODUCT HANDLING INFORMATION SHEET

		Mitsubishi Chemical Advanced Materials I.P. Noord – Galgenveldstraat 12 B – 8700 Tielt Tel.: $+32/(0)51/42$ 35 11 Fax: $+32/(0)51/42$ 33 00	
2.	Product description		
	<b>Commercial product name:</b> These products are <b>'articles'</b> act	me: TIVAR <sup>®</sup> 1000 PE-UHMW eles' according to the Regulation (EC) No 1907/2006 (REACH).	
	Material characterization:	Ultra high molecular weight polyethylene [PE-UHMW	/]
3.	Product characteristics		
	Form:	semi-finished products (round rods, plates, profiles) from semi-finished products	/ finished parts machined
	Colour: natural (white) / green / black / other colours (blue / rec		red / yellow) <b>Test methods</b>
	Odour:	odourless	rest methous
	Density:	0.93 g/cm <sup>3</sup>	ISO 1183-1
	Melting temperature:	135 °C	ISO 11357-1/-3
	Glass transition temperature:	- Values for this property are only given here for amorphous material	ISO 11357-1/-2 Is 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		
	Machining:	During machining of the semi-finished products, eva slipping or tripping hazard and observe the maximur dust levels on the workplace which apply in your cou during machining.	n allowable concentration of
	Storage:	The products shall be stored indoors in a normal env 30 - 70% RH) and kept away from any source of deg UV-lamps, chemicals (direct or indirect contact), ioni Dimensional changes (camber, warpage, shrinkage as slight colour shifts of the external surfaces can or does generally not pose a problem in case of semi-f surface-layer is mostly removed anyway upon mach parts.	gradation such as sunlight, ising radiation, flames, etc. ) of the products as well ccur with time. The latter inished products since the
	Safety measures:	Standard industrial safety recommendations shall be Temperatures above the melting temperature shall be	

Please also note the disclaimer on page 2 of this document.

## TIVAR<sup>®</sup> 1000 UHMW-PE



5.	Fire-fighting measures			
	Suitable extinguishing media:	Water, foam, dry chemical, CO2. Adapted to the nature and extend of fire.		
	Hazardous decomposition proc	<b>ducts:</b> 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 cannot be excluded.		
	Special protective equipment:	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.	6. Disposal considerations			
	According to the 'European Was products is not classified as haza Waste disposal:	<ul> <li>te Catalogue and Hazardous Waste List', uncontaminated waste from the rdous. 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> <li>When recycling is not feasible, waste disposal by incineration or landfill can be applied. Disposal methods shall conform to local or other government regulations.</li> <li>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.</li> </ul>		
7.	7. Marking and transport information			
	Classification and labelling:	Hazard warning labelling in accordance with relevant EC-Directives is not required.		
	International transport regulati	ons: Not applicable		
8.	Other information			
	Consult the Mitsubishi website for the latest information on the Mitsubishi Chemical Advanced Material 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).			

TIVAR® is a registered trademark of Mitsubishi Chemical Advanced Materials.

All statements, technical information, recommendations, and advice are for informational purposes only and are not intended and should not be construed as a warranty of any type or term of sale. The reader, however, is cautioned that Mitsubishi Chemical Advanced Materials does not guarantee the accuracy or completeness of this information and it is the customer's responsibility to test and assess the suitability of the products of Mitsubishi Chemical Advanced Materials in any given application or for use in a finished device.

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