TIVAR[®] 1000 ASTL PE-UHMW



1. Producer / supplier

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2.	Product description		
	Commercial product name: These products are 'articles' acc	roduct name: TIVAR® 1000 ASTL PE-UHMW s are 'articles' according to the Regulation (EC) No 1907/2006 (REACH).	
	Material characterization:	Ultra high molecular weight polyethylene + additives	s [PE-UHMW]
3.	Product characteristics		
	Form:	semi-finished products (round rods, plates) / finishe finished products	ed parts machined from semi-
	Colour:	black	Test methods
	Odour:	odourless	rest methods
	Density:	0.95 g/cm ³	ISO 1183-1
	Melting temperature:	135 °C	ISO 11357-1/-3
	Glass transition temperature:	- Values for this property are only given here for amorphous materia	ISO 11357-1/-2 als 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, even slipping or tripping hazard and observe the maximu dust levels on the workplace which apply in your co during machining.	im allowable concentration of
	Storage:	The products shall be stored indoors in a normal er 30 - 70% RH) and kept away from any source of de UV-lamps, chemicals (direct or indirect contact), ior 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- surface-layer is mostly removed anyway upon mac parts.	egradation such as sunlight, hising radiation, flames, etc. e) of the products as well occur with time. The latter finished products since the
	Safety measures:	Standard industrial safety recommendations shall b Temperatures above the melting temperature shall	

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

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5. Fire-fighting measures			
Suitable extinguishing media:	Water, foam, dry chemical, CO2. Adapted to the nature and extend of fire.		
Hazardous decomposition pro	oducts: 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 clothin 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.		
Disposal considerations			
According to the 'European Was products is not classified as haza Waste disposal:	 Ste Catalogue and Hazardous Waste List', uncontaminated waste from the ardous. The following six-digit codes can be used: 07 02 13 waste plastic from the manufacture, formulation, supply and use of plastics 12 01 05 plastic shavings and turnings 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 17 02 03 plastic construction and demolition wastes 20 01 39 plastics from municipal wastes (household waste and similar commercial, industrial and institutional wastes) 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 r negative effects on the environment may be anticipated. 		
7. Marking and transport information			
Classification and labelling:	Hazard warning labelling in accordance with relevant EC-Directives is not required.		
International transport regulations: Not applicable			
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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