## torzen®





## RadiciGroup compounds based on PA66

PA66-based compounds, targeted at different sectors such as Automotive, Electrical&Electronics, Consumer and Industrial Goods.

PA66 Glass reinforced		
Material	Brief Description	Applicative Description
Torzen® G1500HSL BK34	PA66 15% glass fiber reinforced injection moulding grade. Heat stabilized. Black colour.	Suitable for parts requiring improved stiffness.
Torzen® G3000HR BK34	PA66 30% glass fiber reinforced injection moulding grade. Heat stabilized, hydrolysis resistance. Black colour.	Suitable for parts requiring high stiffness and good mechanical resistance.
Torzen® G3000HR NC01	PA66 30% glass fiber reinforced injection moulding grade. Heat stabilized, hydrolysis resistance. Natural colour.	Suitable for parts requiring high stiffness and good mechanical resistance.
Torzen® G3000HS1L NC01	PA66 30% glass fiber reinforced injection moulding grade. Heat stabilized. Natural colour.	Suitable for parts requiring high stiffness, good mechanical resistance and good heat ageing properties retention.
Torzen® G3000HSL BK34	PA66 30% glass fiber reinforced injection moulding grade. Heat stabilized. Black colour.	Suitable for parts requiring high stiffness, good mechanical resistance and good heat ageing properties retention.
Torzen® G3001HR BK34	PA66 30% glass fiber reinforced injection moulding grade. Heat stabilized, hydrolysis resistance. Black colour.	Suitable for parts requiring high stiffness and good mechanical resistance.
Torzen® G3300HR BK34	PA66 33% glass fiber reinforced injection moulding grade. Heat stabilized, hydrolysis resistance. Black colour.	Suitable for parts requiring high stiffness and good mechanical resistance.
Torzen® G3300HS1L NC01	PA66 33% glass fiber reinforced injection moulding grade. Heat stabilized. Natural colour.	Suitable for parts requiring high stiffness, good mechanical resistance and good heat ageing properties retention.
Torzen® G3300HSL BK20	PA66 33% glass fiber reinforced injection moulding grade. Heat stabilized. Black colour.	Suitable for parts requiring high stiffness, good mechanical resistance and good heat ageing properties retention.
Torzen® G3300HSLF BK20	PA66 33% glass fiber reinforced injection moulding grade. Good flowability, heat stabilized. Black colour.	Suitable for parts requiring high stiffness, good mechanical resistance and good heat ageing properties retention.
Torzen® G3301HSL BK20	PA66 33% glass fiber reinforced injection moulding grade. Heat stabilized. Black colour.	Suitable for parts requiring high stiffness, good mechanical resistance and good heat ageing properties retention.
Torzen® G3302HSL BK20	PA66 33% glass fiber reinforced injection moulding grade. Heat stabilized. Black colour.	Suitable for parts requiring high stiffness, good mechanical resistance and good heat ageing properties retention.
Torzen® G3500HR BK34	PA66 35% glass fiber reinforced injection moulding grade. Heat stabilized, hydrolysis resistance. Black colour.	Suitable for parts requiring medium stiffness and good mechanical resistance.
Torzen® G3500HSL BK20	PA66 35% glass fiber reinforced injection moulding grade. Heat stabilized. Black colour.	Suitable for parts requiring high stiffness, good mechanical resistance and good heat ageing properties retention.
Torzen® G4001HSL BK01	PA66 40% glass fiber reinforced injection moulding grade. Heat stabilized. Black colour.	Suitable for parts requiring high stiffness, good mechanical resistance and good heat ageing properties retention.
Torzen® G5000HR BK34	PA66 50% glass fiber reinforced injection moulding grade. Heat stabilized, high hydrolysis resistance. Black colour.	Suitable for parts requiring very high stiffness and good mechanical resistance. Particularly fit to work in contact with automotive cooling circuit liquids.
Torzen® G5000HSL K01	PA66 50% glass fiber reinforced injection moulding grade. Heat stabilized. Black colour.	Suitable for parts requiring very high stiffness and mechanical resistance, along with good heat ageing properties retention.
Torzen® G5002HSL NC01	PA66 50% glass fiber reinforced injection moulding grade. Heat stabilized. Natural colour.	Suitable for parts requiring very high stiffness and mechanical resistance, along with good heat ageing properties retention.
Torzen® GM3800HSL BK20	PA66 38% glass fiber and mineral filler reinforced injection moulding grade. Heat stabilized. Black colour.	Suitable for parts requiring improved stiffness and mechanical strength, reduced shrinkage, low warpage.

PA66 Glass reinforced and toughened			
Material	Brief Description	Applicative Description	
Torzen® GT1400HSL BK20	PA66 14% glass fiber reinforced injection moulding grade. Toughened, lubricated and heat stabilized. Black colour.	Suitable for parts requiring improved impact strength along with enhanced stiffness. A typical application are anti-vibration rings.	
Torzen® GT3300HS1L NC01	PA66 33% glass fiber reinforced injection moulding grade. Toughened, heat stabilized. Natural colour.	Suitable for parts requiring improved impact strength along with enhanced stiffness.	
Torzen® GT3300HSL BK20	PA66 33% glass fiber reinforced injection moulding grade. Toughened, heat stabilized. Black colour.	Suitable for parts requiring improved impact strength along with enhanced stiffness.	
PA66 Mineral filled			
Material	Brief Description	Applicative Description	
Torzen® M1500HS GR01	PA66 15% mineral filled injection moulding grade. Heat stabilized. Black colour.	Suitable for parts requiring good dimensional stability, reduced shrinkage and low warpage.	
PA66 High Temperature			
Material	Brief Description	Applicative Description	
Torzen® Marathon FRG2500XHL NC01	PA66 flame retardant injection moulding grade. 25% glass fiber reinforced. Improvement of mechanical properties retention versus standard polyamide 66 after heat ageing.	Suitable for parts requiring fire retardancy, medium stiffness and good mechanical resistance. Rated V-0 according to UL-94.	
Torzen® Marathon FRU4800XHL BK01	PA66 flame retardant injection moulding grade. Improvement of mechanical properties retention versus standard polyamide 66 after heat ageing Halogen and phosphorus free. Black colour.	Suitable for parts where fire retardancy is required. Rated V-0 at 0.4 mm according to UL-94.	
Torzen® Marathon G3000XHL BK20	PA66 30% glass fiber reinforced injection molding grade with enhanced thermal resistance in contact with hot air. High improvement of mechanical properties retention versus standard polyamide 66 after heat ageing. Black colour.	Suitable for parts requiring high stiffness, good mechanical resistance and good heat ageing properties retention.	
Torzen® Marathon G3500XHL BK34	PA66 35% glass fiber reinforced injection molding grade with enhanced thermal resistance in contact with hot air. High improvement of mechanical properties retention versus standard polyamide 66 after heat ageing. Black colour.	Suitable for parts requiring high stiffness, good mechanical resistance and good heat ageing properties retention.	
Torzen® Marathon G4000XHL BK20	PA66 40% glass fiber reinforced injection molding grade with enhanced thermal resistance in contact with hot air. High improvement of mechanical properties retention versus standard polyamide 66 after heat ageing. Black colour.	Suitable for parts requiring high stiffness, good mechanical resistance and good heat ageing properties retention.	
Torzen® Marathon G3001HR BK34	PA66 50% glass fiber reinforced injection molding grade with enhanced thermal resistance in contact with hot air. High improvement of mechanical properties retention versus standard polyamide 66 after heat ageing. Black colour.	Suitable for parts requiring very high stiffness and mechanical resistance, along with good heat ageing properties retention.	
	PA66 <b>Toughenedd</b>		
Material	Brief Description	Applicative Description	
Torzen® T2000HSL BK20	PA66 injection moulding grade. Toughened, heat stabilized. Black colour.	Suitable for parts requiring good impact resistance and improved surface appearance. Good properties retention after ageing.	
Torzen® T3000HS1L BK20	PA66 injection moulding grade. Toughened, heat stabilized. High flowability. Black colour.	Suitable for parts requiring good impact resistance and improved surface appearance. Good properties retention after ageing.	
Torzen® T3000HS1L NC01	PA66 injection moulding grade. Toughened, heat stabilized. High flowability. Natural colour.	Suitable for parts requiring good impact resistance and improved surface appearance. Good properties retention after ageing.	
Torzen® T3000HSL BK20	PA66 injection moulding grade. Toughened, heat stabilized. Black colour.	Suitable for parts requiring good impact resistance and improved surface appearance. Good properties retention after ageing.	



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RADICI NOVACIPS SpA (Headquarters) - Via Bedeschi, 20 - IT - 24040 Chignolo d'Isola (BG)







