

HIGH PERFORMANCE POLYMERS TORZEN®

PA6.6-based compounds including improved heat-resistance specialities (Torzen® Marathon) for automotive, electrical - electronic, industrial and consumer applications.



FAMILY	MATERIAL	COLOUR	BRIEF DESCRIPTION	APPLICATIVE DESCRIPTION
PA6.6 Glass reinforced	TORZEN® G1500HSL	BK34	PA6.6 15% glass fiber reinforced injection moulding grade. Heat stabilized. Black colour.	Suitable for parts requiring improved stiffness.
	TORZEN® G3000HR	BK34	PA6.6 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	PA6.6 30% glass fiber reinforced injection moulding grade. Heat stabilized, hydrolysis resistance. Natural colour.	Suitable for parts requiring high stiffness and good mechanical resistance.
	TORZEN® G3000HSL	NC01	PA6.6 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	PA6.6 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	PA6.6 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	PA6.6 33% glass fiber reinforced injection moulding grade. Heat stabilized, hydrolysis resistance. Black colour.	Suitable for parts requiring high stiffness and good mechanical resistance.
	TORZEN® G3300HSL	NC01	PA6.6 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	PA6.6 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	PA6.6 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	PA6.6 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	PA6.6 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	PA6.6 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	PA6.6 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	PA6.6 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	PA6.6 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	BK01	PA6.6 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	PA6.6 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	PA6.6 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.	



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PA6.6 Glass reinforced and toughened	TORZEN® GT1400HSL	BK20	PA6.6 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® GT3300HSL	NC01	PA6.6 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	PA6.6 33% glass fiber reinforced injection moulding grade. Toughened, heat stabilized. Black colour	Suitable for parts requiring improved impact strength along with enhanced stiffness.
PA6.6 Mineral filled	TORZEN® M1500HS	GR01	PA6.6 15% mineral filled injection moulding grade. Heat stabilized. Black colour.	Suitable for parts requiring good dimensional stability, reduced shrinkage and low warpage.
PA6.6 High Temperature	TORZEN® Marathon FRG2500XHL	NC01	PA6.6 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	PA6.6 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	PA6.6 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	PA6.6 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	PA6.6 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 G5000XHL	BK34	PA6.6 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.
PA6.6 Toughened	TORZEN® T2000HSL	BK20	PA6.6 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	PA6.6 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	PA6.6 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	PA6.6 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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