

HIGH PERFORMANCE POLYMERS RANGE OF POLYAMIDES

RadiciGroup High Performance Polymers offers a wide range of polyamide engineering polymers used in a great variety of automotive, electrical/electronics, industrial and consumer goods applications.

Our range of polyamides includes both traditional products and highly innovative specialities, such as materials suitable for continuous service at high temperatures, grades specifically designed for metal replacement and others with superior resistance to chemical agents.



	PRODUCT NAME	BRIEF DESCRIPTION	TYPICAL APPLICATIONS
PA6	RADILON® S HS	PA6 unfilled injection moulding grade.	Standard viscosity, general purpose grade.
	RADILON® S 40E	PA6 high viscosity extrusion grade. Lubricated.	Suitable for injection moulding of high thickness items.
	RADILON® S HSX	PA6 injection moulding grade. Toughened.	Suitable for parts requiring improved impact resistance.
	RADILON® S USZ200	PA6 injection moulding grade. Toughened.	Suitable for parts requiring excellent impact resistance, even at low temperatures.
	RADILON® S RCP3010LW	PA6 30% glass-fibre and mineral filler reinforced injection moulding grade. Heat stabilized.	Suitable for parts requiring improved stiffness and dimensional stability.
	RADILON® S RV300W	PA6 30% glass-fibre reinforced injection moulding grade. Heat stabilized.	Suitable for parts requiring high stiffness and good mechanical resistance.
	RADILON® S RV350W	PA6 35% glass-fibre reinforced injection moulding grade. Heat stabilized.	Suitable for parts requiring high stiffness and good mechanical resistance.
	RADILON® S ERV3808K	PA6 30% glass-fibre reinforced injection moulding grade. Toughened, heat stabilized.	Suitable for parts requiring improved impact strength and high stiffness.
	RADILON® S BMX200K	PA6 high viscosity blow moulding grade.	Suitable for blow moulding of tubes and containers.
	RADILON® S URV600LW	PA6 60% glass-fibre reinforced injection moulding grade. Very high flowability. Heat stabilized.	Suitable for metal replacement applications.
PA6.6	RADILON® A HS	PA6.6 unfilled for injection moulding.	Standard viscosity grade, suitable for high productivity items.
	RADILON® A 42K	PA6.6 high viscosity extrusion grade. Heat stabilized.	Also suitable for injection moulding of high thickness items.
	RADILON® A HSX88	PA6.6 injection moulding grade. Toughened.	Suitable for parts requiring improved impact resistance.
	RADILON® A USZ200	PA6.6 injection moulding grade. Toughened.	Suitable for parts requiring excellent impact resistance, even at low temperatures.
	RADILON® A RV300W	PA6.6 30% glass-fibre reinforced injection moulding grade. Heat stabilized.	Suitable for parts requiring high stiffness and good mechanical resistance.
	RADILON® A RV350W	PA6.6 35% glass-fibre reinforced injection moulding grade. Heat stabilized.	Suitable for parts requiring high stiffness and good mechanical resistance.
	RADILON® A RV500RW	PA6.6 50% glass-fibre reinforced injection moulding grade. Heat stabilized.	Suitable for technical parts requiring very high mechanical resistance. Ideal for metal replacement applications.
	RADILON® A CF300K	PA6.6 30% carbon-fibre reinforced injection moulding grade. Heat stabilized.	Suitable for parts requiring very high mechanical properties, higher electrical and thermal conductivity.
	RADILON® A ERV130LK	PA6.6 13% glass fiber reinforced injection moulding grade. Toughened, heat stabilized.	Suitable for parts requiring improved impact strength along with enhanced stiffness.
PA6.10	RADILON® D HS	PA6.10 injection moulding grade. Nucleated and lubricated, fast cycling.	This grade is partially renewably-sourced (60% of base polymer by weight).
	RADILON® D RV300W	PA6.10, 30% glass-fibre reinforced injection moulding grade. Heat stabilized.	Suitable for parts requiring high stiffness and mechanical resistance. This grade is partially renewably-sourced (60% of base polymer by weight).
	RADILON® D 40EP25ZW	PA6.10 flexible, high viscosity extrusion grade. Toughened and plasticized.	Suitable for extrusion of pipes, profiles and cable jackets. This grade is partially renewably-sourced (60% of base polymer by weight).
	RADILON® D 40P50K	PA6.10 flexible, high viscosity extrusion grade. Plasticized.	Suitable for extrusion of air pressure pipes. This grade is partially renewably-sourced (60% of base polymer by weight).
PA6.12	RADILON® DT 22D	PA6.12, low viscosity.	Typical grade for monofilament extrusion.
	RADILON® DT RV300RK2	PA6.12 30% glass fiber reinforced injection moulding grade. Heat and hydrolysis stabilized.	Suitable for applications in the water management sector.
PA6 PA6.6 PBT SELF-EXTINGUISHING	RADIFLAM® S FR	PA6 flame retardant injection moulding grade. Halogen and phosphorus free.	UL 94 V-0 rated at 0.4 mm.
	RADIFLAM® A FR	PA6.6 flame retardant injection moulding grade. Halogen and phosphorus free.	UL 94 V-0 rated at 0.4 mm.
	RADIFLAM® A RV250K AE	PA6.6 flame retardant injection moulding grade. 25% glass-fibre reinforced.	Suitable for parts requiring fire retardancy and good mechanical resistance. UL 94 V-0 rated.
	RADIFLAM® A RV300 HF	PA6.6 flame retardant, halogen and phosphorus free injection moulding grade. 30% glass-fibre reinforced.	Suitable for parts requiring fire retardancy and good mechanical resistance. UL-94 V-0 rated.
	RADIFLAM® A RV350 AF	PA6.6 flame retardant injection moulding grade with red phosphorus. 35% glass-fibre reinforced.	Suitable for parts requiring fire retardancy and good mechanical resistance. UL 94 V-0 rated.
	RADIFLAM® S RV300 HF	PA6 flame retardant injection moulding grade, halogen and red phosphorus free. 30% glass-fibre reinforced.	Suitable for parts requiring fire retardancy and good mechanical resistance. Good electrical insulating properties. UL 94 V-0 rated.
HIGH TEMPERATURE PA	RADILON® A RV350HHR	PA6.6 35% glass fiber reinforced injection molding grade with enhanced thermal resistance in contact with hot air.	Suitable for continuous use at air temperatures of up to 210 °C.
	TORZEN® MARATHON G5000XHL	High Temperature PA6.6, 50% glass fiber reinforced. Improved thermal resistance in contact with hot air.	Suitable for applications at continuous service temperatures of up to 190 °C.



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