

Diabetes Care

Medical Grade Plastics as supplied by ALBIS play a crucial role in modern diabetes therapy. From insulin pens and pumps to blood glucose meters, plastics offer the flexibility, durability, and safety required for the daily care of people with diabetes. Their lightness and versatility enable the production of precise, easy-to-use devices that simplify patients' lives, ensuring continuous monitoring and medication delivery.

The rising prevalence of both type 1 and type 2 diabetes has led to increased demand for innovative and user-friendly solutions. In particular, wearables and digital monitoring systems that allow continuous blood glucose measurement are gaining importance. Advanced plastics contribute to making these devices small, portable, and reliable.

With a focus on patient safety and comfort, innovations in plastics drive the development of durable, biocompatible, and sterile materials tailored to the specific needs of diabetes therapy. These materials are a key component of modern diabetes solutions that significantly improve the quality of life for those affected.



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Application			Material Solutions		
Focus area	Application examples	Key features	Polymer Type / Brand name		Manufacturer
Blood sugar monitoring	Glucometer CGM (Continuous glucose monitoring) systems FGM (Flash glucose monitoring) Wearables	Easy flow / fast cycle Dimensional stability High surface quality Good ESCR	ABS	Novodur® HD	INEOS Styrolution
			Healthcare Compounds	Alcom® MED	MOCOM
			MABS	Terlux® HD	INEOS Styrolution
			PC	Makrolon®	Covestro
			PC/ABS	Bayblend® M	Covestro
			SBC	Styrolux®	INEOS Styrolution
			TPU	Texin®	Covestro
Inspection consumable	Equipment housing Diagnostic reagent container Detection card	Transparency Chemical resistance Sterilisability Easy to post process	ASA	Luran® S MED	INEOS Styrolution
			Copolyester	ECOZEN®	SK Chemicals
			Healthcare Compounds	Alcom® MED	MOCOM
			PC	Makrolon®	Covestro
			PC/ABS	Bayblend® M	Covestro
			PE	Purell®	LyondellBasell
			PET(g)	SKYPET®	SK Chemicals
			PETG	SKYGREEN®	SK Chemicals
			PP	Purell®	LyondellBasell
Insulin delivery	Injector pens Pumps Pre-filled syringes	Stiffnes Low friction Chemical resistance Dimensional stability Feel & Touch Colourability Printability	ABS	Novodur® HD	INEOS Styrolution
			MABS	Terlux® HD	INEOS Styrolution
			PBT	Ultradur® PRO	BASF
			PE	Purell®	LyondellBasell
			POM	Ultraform® PRO AT	BASF
			PP	Purell®	LyondellBasell
			SAN	Luran® HD	INEOS Styrolution



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