

VESTODUR® compounds and their applications

Characterization of the most important products and their typical applications

VESTODUR®	Characterization	Processing	Product group and applications
1000	low-viscosity, unreinforced	IM	Low- to high-viscosity base types for injection molding applications such as headlight frames, parts in medical technology, and extrusion applications e.g. fiber optic jacketing.
2000	medium-viscosity, unreinforced	IM, €	
3000	high-viscosity, unreinforced	E	
3001	high-viscosity, unreinforced, processing aid	E	
3010 3013 3030	high-viscosity, unreinforced, hydrolysis resistant	E	
1003	low-viscosity, unreinforced, stabilized, easily demoldable, rapidly solidifying	IM	
2003	medium-viscosity, unreinforced, stabilized, easily demoldable, rapidly solidifying	IM, (E)	
GK 20 GK30	20 or 30% micro glass beads	IM	Glass-bead filled and glass-fiber reinforced compounds with elevated or high rigidity, partially low-warpage; e.g., for housing parts in the automotive industry
X7095	micro glass beads/glass fibers, low-warpage	IM	
GF10	10% chopped glass fibers	IM	
GF15	15% chopped glass fibers	IM	
GF20	20% chopped glass fibers	IM	
GF30	30% chopped glass fibers	IM	
GF50	50% chopped glass fibers	IM	
1003-Fr3	low-viscosity, unreinforced	IM	Compounds made self-extinguishing with non-migrating flame retardants, reinforced and unreinforced, for use in electrical applications in particular. The compounds are listed by UL (Underwriters Laboratories), partially down to 0.4 mm wall thickness or with addition of up to 50 wt.-% regrind.
2002-FR3	medium-viscosity, unreinforced	IM, (E)	
GF12-FR3	12% chopped glass fibers	IM	
GF20-FR3	20% chopped glass fibers	IM	
GF30-FR3	30% chopped glass fibers	IM	
X7212	45% chopped glass fibers	IM	
HI19 HI19-S3	unreinforced, stabilized, with mold release agent	E, (IM)	Polymer-modified compounds, adjusted flexible, with increased impact strength, for applications such as temperature sensors and oil dipsticks
X4877	30% chopped glass fibers	IM	

IM = Injection Molding; E = Extrusion

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X7061 X7062	low-viscosity, unreinforced, laser-markable	IM	Specialty types for different selective applications in the electrical, automotive, cable manufacturing, machining, and apparatus-construction industries.
X7190 X7396	unreinforced, polymer-modified, low-postshrinkage	E, (IM)	
X9400	10% glass fibers, polymer-modified, low-shrinkage	IM	
X9403	unreinforced, flame retardants free of halogens and phosphorus	E, (IM)	
X9405	30% glass fibers, self-extinguishing, high tracking index	IM	

IM = Injection Molding; E = Extrusion

® = registered trademark

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