

APPROVALS

GEHR raw material	DE/EU	EU	USA	EU/USA	USA	USA
	Drinking water	10/2011/EC 1935/2004/EC Food approval	FDA Food approval	ISO NORM/ USP NORM Medical	NSF 51 Food approval	NSF 61 Drinking water
ECO-GEHR PLA-LF [®] ◉	-	-	177.1616	-	-	-
GEHR PVC-U [®] ●	☑++**	☑++	+	-	☑*#	☑*#
GEHR PVC-C [®] ◉	-	-	-	-	-	-
GEHR PE-HD [®] ◉	-	☑	177.1520	-	-	-
GEHR PE-HD [®] ●	-	☑	-	-	-	-
GEHR PE-ELS [®] ●	-	-	-	-	-	-
GEHR PE-UHMW [®] ●	-	☑	177.1520	-	-	-
GEHR PE-UHMW [®] ◉	-	☑	177.1520	-	-	-
GEHR PE-UHMW [®] ●	-	☑**	177.1520	-	-	-
GEHR PP [®] ◉	-	☑	177.1520	-	-	-
GEHR PP [®] ●	-	☑	177.1520	-	-	-
GEHR PP-30GF [®] ●	-	-	-	-	-	-
GEHR ABS [®] ◉	-	-	181.32	-	-	-
GEHR PMMA [®] Tubes ◉	-	☑	177.1010	-	-	-
GEHR PMMA [®] Round Rods ◉	-	-	177.1010	-	-	-
GEHR PA 6 C [®] ◉	-	☑	177.1500	-	-	-
GEHR PA 6 C [®] ●	-	-	-	-	-	-
GEHR PA 6 XT [®] ◉	-	☑**	177.1500	-	-	-
GEHR PA 6 XT [®] ●	-	☑**	-	-	-	-
GEHR PA 6.6 [®] ◉	-	☑	177.1500	-	-	-
GEHR PA 6.6 [®] ●	-	-	-	-	-	-
GEHR PA 6.6-30GF [®] ●	-	-	-	-	-	-
GEHR PA 12 TR [®] ◉	KTW*/WRAS*	☑	177.1500/176.170	-	-	☑*
GEHR PA 6.10 [®] ◉	-	-	-	-	-	-
GEHR POM-C [®] ◉	KTW*/WRAS*	☑	177.2470	-	-	☑*
GEHR POM-C [®] ●	-	☑	177.2470	-	-	☑*
GEHR POM-C [®] ●	-	☑**	177.2480 178.3297	-	-	-
GEHR POM-10PE [®] ●	-	☑	177.2470/177.1520/ 178.2010	-	-	-
GEHR POM-ELS [®] ●	-	-	-	-	-	-
GEHR PET [®] ◉	-	☑	177.1630	-	-	-
GEHR PET [®] ●	-	-	-	-	-	-
GEHR PBT [®] ◉	-	-	-	-	-	-
GEHR PC [®] ◉	-	-	177.1580	-	-	-
GEHR PVDF [®] ◉	-	☑	177.2510	USP Class VI	-	☑*
GEHR PVDF-ELS [®] ●	-	-	+	-	-	-
GEHR E-CTFE [®] ◉	-	-	-	-	-	-
GEHR PSU [®] ◉	-	-	177.1655	-	-	-
GEHR PPSU [®] ●	-	-	177.1560 178.3297	-	-	-
GEHR PEI [®] ◉	WRAS	-	177.1559	-	☑	-
GEHR PPS [®] ◉	-	-	++	-	-	-
GEHR PPS-40GF [®] ●	-	-	++	-	-	-
GEHR PEEK [®] ◉	BS 6920	☑	177.2415	ISO 10993-5* USP Class VI*	-	-
GEHR PEEK-mod [®] ●	-	-	-	-	-	-
GEHR PEEK-30GF [®] ◉	-	-	-	-	-	-
GEHR PEEK-30CF [®] ●	-	-	-	-	-	-

This table shows a list of regulations that GEHR semi-finished products are complying with at present, evaluation of the composition of materials compared with the corresponding positive lists and migration regulations. The suitability of above-mentioned regulations (e.g. regarding global migration) has to be checked on the finished part by the convertor or the distributor. The convertor or distributor takes the full responsibility. For a detailed statement regarding the topic "Physiology" please ask our Application Engineering Division at GEHR GmbH.

- Colours:
- grey
 - ◉ light grey
 - black
 - blue
 - light blue
 - ◉ natural
 - ◉ transparent
 - ◉ ivory
- ☑ semi-finished products approval (red)
- ☑ raw material approval (black)
- + does comply with the guidelines of the above-mentioned directives
- ++ Standard round rods in dark grey up to a diameter of 160 mm are physiologically harmless (see page 96).
- does not comply with the guidelines of the above-mentioned guidelines or has not been tested correspondingly
- +* Plastics and additives comply with the guidelines of the above-mentioned directives. However the formulation at large has not been tested.
- ++* The utilized type of plastic complies with the Food Compliance Norm (FCN) e.g. Number 40 "PPS" or 0083 for "PPSU" of the FDA acceptance approval for Food Contact Substances (FCS)
- * available on request
- ** currently being tested
- # Available from our rods from USA

Norm	
BfR	German Institute for Risk Assessment
10/2011/EC	Guideline for materials and objects which get in contact with food (2011)
Leitlinie 2005	Drinking water approval of the Federal Environment Agency in Germany (former KTW)
KTW	Plastics and drinking water in Germany
DVGW-W270	Reproduction of micro-organisms on materials for the drinking water sector. Testing and evaluation.
NSF-14	National Sanitation Foundation. Guideline for Plastic pipeline systems.
NSF-51	National Sanitation Foundation. Guideline for materials and objects which get in contact with food.
NSF-61	National Sanitation Foundation. Guideline for materials and objects which get in contact with drinking water.