

GLIDE-GEHR POM-10 PE-X®

Sliding-modified material with excellent emergency running properties

In the future, we will bring together all semi-finished products, the tribological behaviour (friction) of which has been optimized by incorporating solid lubricants, in the **GLIDE-GEHR®** product group.

In the group of sliding-modified materials we have included **GLIDE-GEHR POM-10PE-X®**, a new material in which the tribological behaviour (friction) has been optimized by incorporating solid lubricants. Thanks to these solid lubricants, we achieve a high wear resistance, a low coefficient of friction and thus a good dry running capability. In addition to the standard features, these plastic materials also have excellent emergency running properties, good damping properties as well as optimized chemical resistance and oxidative stability. Their abrasion behaviour is also positively influenced by the firmly integrated PTFE additive, which is not harmful to health. When machining the previously annealed semi-finished products, thermal overload (plastics are generally poor heat conductors) must be avoided, as otherwise an uneven or scaly surface could form. Due to the incorporated solid lubricant particles, the production of very small surface roughness qualities is only possible to a limited extent.

In joining technology, not only hot plate welding but also adhesive bonding with pressure-sensitive adhesives has proven successful, as the high chemical stability includes resistance to most solvent adhesives. The activation of the surfaces (corona treatment, primer application or etching) enhances the achievable strength.



Properties:

- High wear resistance
- Low coefficient of friction
- Good dry running capability
- Excellent emergency running properties
- Good damping properties
- Optimized chemical resistance and oxidative stability

Applications:

- Sliding bearings
- Valve and tap parts

GLIDE-GEHR®

Tribologically modified semi-finished products

Currently, we have the following tribological semi-finished products in stock:

GLIDE-GEHR POM-10 PE*

GLIDE-GEHR POM-10 PE-X

GLIDE-GEHR PEEK-MOD

ROUND RODS

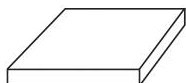


Length:
1 | 2 | 3 m

Ø	Tolerances	GLIDE-GEHR POM-10 PE kg/m	GLIDE-GEHR POM-10 PE-X kg/m	GLIDE-GEHR PEEK-MOD kg/m
10	+0,1 +0,7			0,130
20	+0,2 +0,8	0,460	0,470	0,510
30	+0,2 +1,0	1,043	1,040	1,110
40	+0,2 +1,2	1,831	1,840	1,940
50	+0,3 +1,3	2,864	2,880	3,130
60	+0,3 +1,6	4,123		4,400
70	+0,3 +1,6	5,586		
80	+0,4 +2,0	7,314		8,100
100	+0,6 +2,5	11,458		
120	+0,8 +3,5	16,470		
140	+0,9 +3,8	22,000		
150	+1,0 +4,2	25,900		

* with food contact approval

SHEETS



Length:
1 | 2 m

	Tolerances	GLIDE-GEHR POM-10 PE kg/m	GLIDE-GEHR POM-10 PE-X kg/m	GLIDE-GEHR PEEK-MOD kg/m
		1000 mm	500 mm	610 mm
10	+0,2 +1,1	15,345	7,750	10,100
15	+0,3 +1,5		11,650	
20	+0,3 +1,5	29,850	15,350	19,900
30	+0,5 +2,5	45,933		
40	+0,5 +2,5	60,766		39,200
50	+0,5 +2,5	75,600		
60	+0,5 +3,5	89,110		

* with food contact approval

Our current stock you can check online: visit www.gehr.de

Do you have any questions? – Please do not hesitate to contact us!