

GEHR POM-C 25GF[®]

New to our product range: Glass fibre reinforced material with a better characteristics profile

New to our product range is the technical material POM-C with a 25% glass fibre reinforcement in black colour. By compounding the fibres, some properties have been optimized to the level of metallic materials.

Properties:

- Pressure tested quality
- High strength and stiffness
- High rigidity (-40°C)
- High thermal stability
- Low water absorption
- High dimension stability
- Good electrical insulating properties
- Very good sliding properties
- High resistance to solvents
- Very high resistance to stress cracks

Applications:

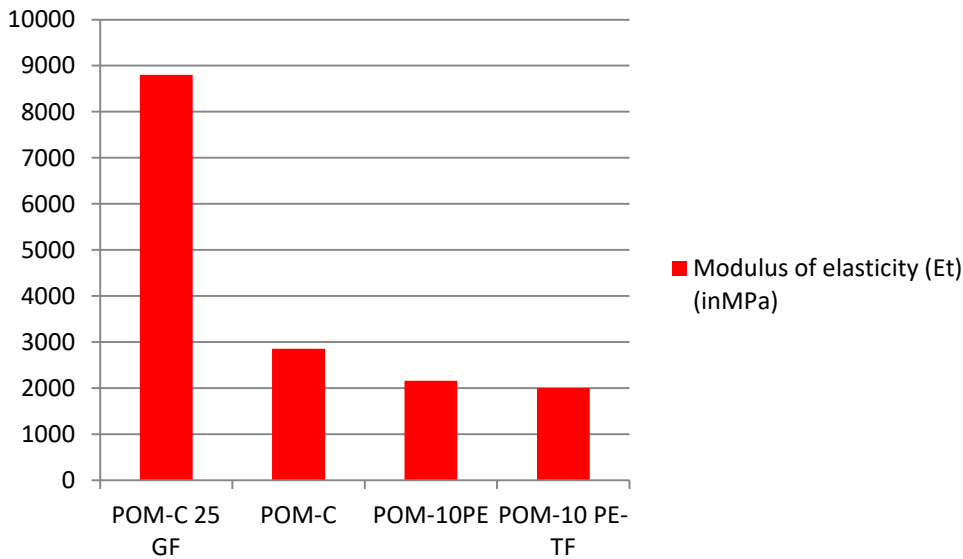
Components in machinery engineering



Key figures:

	GEHR POM-C 25GF	GEHR POM-C	GLIDE-GEHR POM-10PE	GLIDE-GEHR POM-10 PE-TF
Tensile strength at yield (σ_s) (in MPa)	-	67	44	35
Impact strength (a_n) (in kJ/m ²)	55	No break	30	18
Modulus of elasticity (E_t) (in MPa)	8800	2855	2160	2000
Vicat-softening point (in °C)				
VST/B/50	160	150	-	-
VST/A/50	-	-	-	-
Heat deflection temperature (in °C)				
HDT/B	-	155	-	-
HDT/A	163	95	120	-

Modulus of elasticity (E_t) (in MPa):



The chemically coupled GEHR POM-C 25GF® has a broad property profile that offers increased strength for many applications compared to non-reinforced GEHR POM-C®. In addition, the reinforcement reduces the coefficient of expansion and simultaneously increases the heat deflection temperature.

You can find our current inventories at: www.gehr.de