

Collaborative Robotics

Robotics

Print Date: 2024-11-12

Benefits

- Metal replacement enables lightweighting of the robot arm
- Move at higher safe speeds
- Higher productivity collaborative human-robot workcells
- Enable a 30-50% lower component part price compared to metal.



Details

Safer, faster and more cost-effective cobots are already transforming major industries. Cobots are manufactured on a large scale to meet businesses growing demands. Safety and efficiency are key to the commercial success of cobots, yet the inertia of metal material solutions poses safety risks to workers and limits the speed of these devices. Engineering plastics as a lightweight alternative material solution, not only decrease safety risks but also offer significant product cost, efficiency and sustainability advantages.

Products

Stanyl® TW200F6
PA46-GF30

Xytron™ G4024T
PPS-GF40

Arnite® TV4 261 HR-HS
PBT-GF30

Arnitel® EM400
TPC-ET

UDea™ Akulon® K20HC60
PA6-CF60

Speciality products

Explore Solutions for Robotics | Envalior Engineering Materials

Seller represents and warrants exclusively that on the date of delivery by Seller the product shall be in conformity with the specifications agreed upon. Seller makes no other representations or warranties, whether express or implied.
Seller is not responsible or liable for the design of the products of the Customer and it is the responsibility of the Customer to determine that the Seller's product is safe, complies with application laws and regulations, and is technically or otherwise fit for its intended use. Seller does not endorse or claim suitability of its products for a specific application and disclaims each and every representation or warranty, whether express or implied, in that respect.

Typical values are indicative only and are not to be construed as being binding specifications. Colorants in the product or other additives may cause significant variations in typical values.

Copyright © Envalior 2024. All rights reserved. No part of the information may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of Envalior.