

TPV

Key Features

Density < 1 g/cm³ • Flexibility •
Chemical resistance

Applications

End-use parts • Overmoulded
components • Automotive •
Industrial equipment • Consumer
goods

Description

AuroraGuard™ 85A is a thermoplastic vulcanizate (TPV) with a Shore A hardness of 85, designed for soft, flexible components requiring good mechanical durability and elastic recovery. Unlike standard TPEs, this TPV offers improved resilience, chemical resistance, and long-term flexibility under stress, making it ideal for dynamic sealing and cushioning applications. It combines rubberlike softness with the processing efficiency of thermoplastics, allowing for cost-effective injection molding of flexible parts such as gaskets, bellows, overmolded grips, cable boots, and vibrationdamping mounts.

Datasheet ▶**Properties***

Tensile strength at yield	6.55 MPa
Elongation at break	250%
Density	0.928 g/cm ³
Hardness	85A

*Based on material AuroraGuard™

85A



Xometry®