

# TPV (Thermoplastic Vulcanizate)

## Key Features

Density < 1 g/cm<sup>3</sup> • Flexibility • Chemical resistance

## Applications

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

## Product 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 rubber-like 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 vibration-damping mounts.

## Properties\*

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

\*Based on material AuroraGuard™ 85A

## Reference

For more detailed source information, please consult the original document linked [here](#). We encourage users to verify the data's relevance and suitability for their specific needs.

