

# TPV

## Key Features

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

## Applications

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

## Description

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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.

**Properties\***

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



Xometry®