

# TPE (Thermoplastic Elastomer)

## Key Features

UV resistance • Impact resistance • Flexibility

## Applications

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

## Product Description

AuroraFlex™ 8088BL is a black, lubricated thermoplastic elastomer (TPE) with a Shore A hardness of 90, designed for applications requiring high impact resistance, UV stability, and a low coefficient of friction. Its formulation enables excellent flexibility and tear resistance while maintaining surface lubricity, making it ideal for soft-touch parts that undergo frequent mechanical stress or outdoor exposure. It is fully compatible with polypropylene overmolding, allowing it to be used as a durable, flexible interface material in multi-material assemblies such as grips, seals, or bumpers in consumer and industrial products.

## Properties

Tensile stress (100% strain)	8.15 MPa
Tensile strength	11.6 MPa
Elongation at break	550%
Tear strength	56.4 kN/m
Density	1.01 g/cm <sup>3</sup>
Hardness	90A

\*Based on material AuroraFlex™ 8088BL

## 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.

