

## Celanese TPE Portfolio

**PIBIFLEX®**  
TPC

**RITFLEX®**  
TPC

**FORPRENE®**  
TPV

**LAPRENE®**  
TPS-SEBS

**SOPRENE® T**  
TPS-SBS

**FORFLEX®**  
TPO

## PIBIFLEX<sup>®</sup> (TPC)

### Properties

- Service temperature from -45 °C to 150 °C
- Good abrasion resistance
- Very good adhesion properties
- Resistant to chemicals
- Excellent voltage resistance (CTI 600V)
- Hardness ratings from 25 Shore A to 70 Shore D

### Applications

- Automotive interior: airbags, air ducts, trims
- Automotive exterior: radiator grills, caps
- Under the hood: CVJ boots, bellow, tanks, cables
- Electrical appliances: wire and cable, connectors
- Sport & leisure: frisbees, skiboot shells



High degree of flexibility, resilience and

## Easy Processing

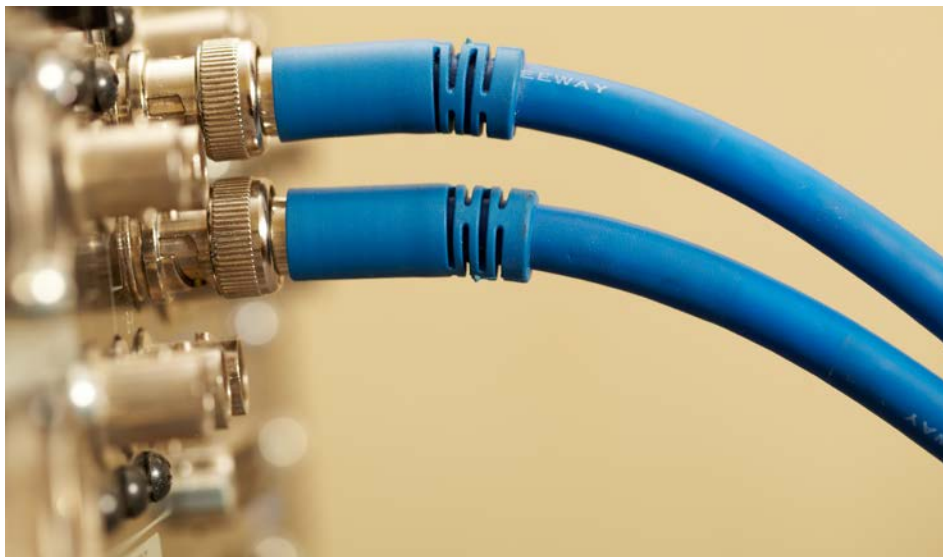
## RITEFLEX<sup>®</sup> (TPC)

### Properties

- Service temperature from -60 °C to 150 °C
- Excellent low-temperature ductility
- Resistant to chemicals, esp. automotive fluids
- Good abrasion resistance
- Easy processing
- Hardness ratings from 25 Shore A to 77 Shore D

### Applications

- Automotive interior: cup holders
- Automotive exterior: fuel caps, gaskets
- Under the hood: hose and tubings
- Electrical and electronics: connectors, wire and cable jacketings



Resistant to abrasion, low temperatures and excellent

## Chemical Resistance

## FORPRENE<sup>®</sup> (TPV)

### Properties

- Service temperature from -40 °C to 130 °C
- Good abrasion resistance
- High thermal and electric insulation values
- Good resistance to several chemical agents
- Excellent resistance to UV ageing and ozone
- Hardness ratings from 20 Shore A to 60 Shore D

### Applications

- Wheels and castors: for furniture
- Automotive interior: pedal covers, mats
- Building and construction: gaskets , pipe seals
- Household applications: shock absorbers, pipes
- Electrical & electronics: special cables, plugs



High elastic recovery within a

# Wide Temperature Range

## LAPRENE<sup>®</sup> (TPS-SEBS)

### Properties

- Service temperature from -50 °C to 120 °C
- UV-stable, ozone and highly weather-resistant
- High thermal and electric insulation values
- Excellent resistance to several chemical agents
- Hardness ratings from 2 Shore A to 60 Shore D

### Applications

- Automotive interior: car mats, air vents
- Under the hood: firewall grommet
- Personal care: razors, toothbrushes
- Building and construction: window gaskets



Weathering and fatigue resistance

## Excellent UV

## SOPPRENE® T (TPS-SBS)

### Properties

- Service temperature from -50 °C to 60 °C
- High thermal and electric insulation values
- Resistance to several chemical agents
- Good abrasion resistance
- Hardness ratings from 25 Shore A to 40 Shore D

### Applications

- Furniture: shock absorbers for bed slats, wheels, anti-shock profiles
- Consumer goods: non-slip mats, handles for tools, plungers
- Sports & leisure: ski pole handle



At low and room temperature

## High Elastic Recovery

## FORFLEX<sup>®</sup> (TPO)

### Properties

- Service temperature from -40 °C to 70 °C
- Excellent elastic properties at low temperatures
- Good weather (UV) resistance
- Excellent colorability
- Hardness ratings from 65 Shore A to 60 Shore D

### Applications

- Automotive interior
- Building and construction: window gaskets
- Sports & leisure: items for diving and skiing, flippers and ski boots



Good heat ageing properties and

## Dimensional Stability

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