

# ECO-CONSCIOUS MONPRENE® TPE WITH 35% SUSTAINABLE CONTENT



Trusted by major consumer brand owners and processors alike, Monprene® thermoplastic elastomers (TPEs) allow designers more flexibility and give manufacturers peace of mind. Now, more than ever, that peace of mind includes being environmentally responsible. Our latest line of Monprene® TPEs is made with 35% sustainable content that includes UBQ™ and post-consumer recycled material.

## What is UBQ?

UBQ™ is a sustainable plastic substitute converted entirely from organic and unrecyclable waste. Biobased and highly recyclable, UBQ™ offers a climate-positive solution towards a circular economy. By replacing oil-based raw materials with UBQ™ in TPE formulations, Teknor Apex is helping to address the global waste crisis, preserving finite natural resources, and reducing the carbon footprint of end products which utilize our TPE.

## An Eco-Conscious TPE: Monprene® S3 CP-15170 BLK

Initially available in 70 Shore A and pre-colored black, the Monprene® S3 CP-15170 BLK performs and processes comparably to prime TPE. The durometer and amount of sustainable content can be customized based on end use requirements. This high flow TPE is designed specifically for injection molding or overmolding onto polypropylene – ideal for consumer product applications requiring flexibility such as hand and power tools, consumer electronics and appliances that include soft-touch components, for anti-slip, comfort grip, and improved ergonomics. As always, Monprene TPEs combine the performance of thermoset rubber with the processability of a thermoplastic and can still be recycled.

## Monprene® TPE Allows for Sustainable Product Design

- Hand Tools
- Power Tools
- Consumer Electronics
- Appliances

## Features & Benefits

| Monprene® S3 CP-15170 BLK

- ☑ The use of sustainable content helps preserve finite natural resources and contributes towards a circular economy
- ☑ Performs and processes like prime TPE, and can be used as a drop-in alternative
- ☑ Sustainable content does not limit its ability to be recycled
- ☑ Customization of properties and amount of sustainable content provides versatility for product designers and allows for optimized solutions for unique requirements

## Monprene® S3 CP-15170 BLK | Typical Properties

Typical Properties	ASTM Test Method	Units	Monprene® S3 CP-15170 BLK
% Sustainable Content (UBQ® + PCR)	---	---	35
Appearance	---	---	Black
Hardness (5 sec del)	D2240	Shore A	70
Specific Gravity	D792	---	0.91
Tensile Strength	D412	psi (MPa)	522 (3.60)
100% Modulus	D412	psi (MPa)	305 (2.10)
Elongation	D412	%	500
Tear Strength (Die C, 20 in/min)	D624	lbf/in (kN/m)	152 (26.7)
Mass Flow Rate (190°C/2.16 kg)	D1238	g/10 min	35

\* Percentage of Sustainable Content = Mass of Sustainable Material in Compound / Total Mass of Compound x 100

## Providing Sustainable Options Ties Into Our Strong Commitment to Protect Our Planet

Because people and our planet are what matter at Teknor Apex, these specialty TPEs are an important part of our sustainability program. We actively look to increase the sustainability of our products, while reducing the environmental impact of our manufacturing operations. Our focus includes improving energy efficiency, reducing water consumption and diverting waste from landfills.

For more information about our commitment to sustainability, visit:

[teknorapex.com/corporate-sustainability](https://teknorapex.com/corporate-sustainability)



**Email:**  
TPE@teknorapex.com

**Americas:**  
+1 401 725 8000

**Europe:**  
+49 9861 97497 0

**Asia:**  
+65 6265 2544

[www.teknorapex.com](https://www.teknorapex.com)

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