

# Sure-Weld® TPO

## Non-Reinforced Flashing



### Overview

Carlisle's Sure-Weld TPO Non-Reinforced Flashing is a 60-mil thermoplastic polyolefin (TPO)-based membrane available in 12" and 24" by 50' rolls. When the use of prefabricated accessories is not feasible, this product can be used to create inside and outside corners, field-fabricated pipe flashings, sealant pockets, and scuppers. Standard colors are white, tan, and gray.

### Features and Benefits

- » New and improved TPO Flashing provides 35% more flexibility, making it easier to field-fabricate details
- » Compounded with the same OctaGuard XT™ weathering package as Carlisle's Sure-Weld TPO membranes for maximum longevity
- » Superior weldability allows for consistent, high-quality seams in penetrations and other critical roof areas
- » Available in white, gray, and tan colors to match Carlisle's Sure-Weld TPO membranes

### Installation

1. TPO Flashing is used to flash various roofing system details and penetrations. The specific installation method will vary based on the situation.
2. Use a lower temperature setting on the heat welder than when welding reinforced TPO membrane. Typically, a setting of "6" on a scale of "10" is appropriate for welding TPO Flashing.

3. Use the edge of the roller to crease the flashing into any membrane step-offs for a proper seal.

Review Carlisle specifications and details for complete installation information.

### Precautions

- » Review the applicable Safety Data Sheet for complete safety information prior to use.
- » Sunglasses that filter out ultraviolet light are strongly recommended, as tan and white surfaces are highly reflective. Roofing technicians should dress appropriately and wear sunscreen.
- » Store TPO Flashing in a cool, shaded area and cover with light-colored, breathable, waterproof tarpaulins. TPO Flashing that has been exposed to the weather for approximately 7 days or longer must be prepared with Weathered Membrane Cleaner prior to hot air welding.

### Typical Properties and Characteristics

Properties	ASTM Test Method	Specification
Tolerance on nominal thickness, %	D 412	plus 15/ minus 10
Weight, lb/ft <sup>2</sup> (kg/m <sup>2</sup> ), typical		0.30 (1.5)
Tensile strength, min., psi (Mpa)	D 412 Die C	1200 (8.3)
Elongation, ultimate, min., %	D 412 Die C	600
Tear strength, min., lbf/in (kN/m)	D 624 Die C	250 (43.8)
Ozone resistance, 168h @ 100 pphm, 50% ext.	D 1149	No Cracks
Heat aging: 28 days at 240°F (116°C)	D 573	
Tensile strength, min., psi (MPa)	D 412	1000 (6.9)
Elongation, ultimate, min., %	D 412	500
Tear strength, min., lbf/in (kN/m)	D 624	200 (35.0)
Linear dimensional change, max. %	D 1204	±4
Resistance to Xenon-arc weathering	G 155	No Cracks
Xenon-Arc, 10,080 kJ/m <sup>2</sup> total radiant Exposure, visual condition at 10X	0.70 W/m <sup>2</sup> 80°C B.P.T.	

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

### LEED® Information

Pre-consumer Recycled Content	0%
Post-consumer Recycled Content	0%
Manufacturing Location	Greenville, IL
Solar Reflectance Index (SRI)	N/A