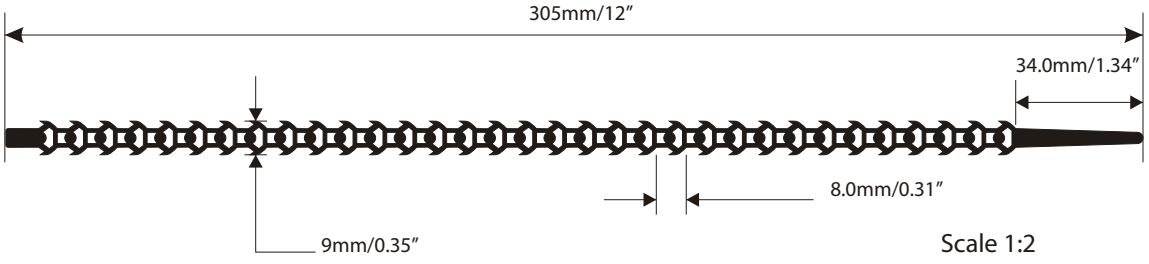
Mille-Tie™

Standard Mille-Tie Technical Specification



Physical Properties:

Nominal Moulded Length:	305mm (12”)
Width:	9.0mm (0.35”)
Thickness:	1.3mm (0.05”)
Apertures:	33 (1 per 8mm (0.35”) apx.)
Maximum Bundle Size (basic strip):	> 75mm (3”) diameter
Maximum Bundle Size (when stretched before use):	> 110mm (4.5”) diameter
Minimum Bundle Size:	< 5mm (0.2”) diameter
Uses Per Strip @ 10mm (0.4”) Diameter:	6 approx
Standard Colours Available:	Red (Plenum), Black (UV), Uncoloured/Natural (LSOH), Green, Grey

Material Properties:

Material:	Thermoplastic Polyurethane Elastomer
Density:	1220Kg/m^3
Tensile and Tear Strength:	High
Abrasion Resistance:	Excellent
Elasticity and Resilience:	High
Resistance to Fuels and Oils:	Excellent

Mechanical Properties:

Flexural Modulus:	124.1MPa (180,000 PSI)
Taper Abrasion H-18 Wheel, 1000g (1.1lb) Load:	50mg (1/560 Oz) Loss [1000 cycles]
Material Tensile Strength:	4.14MPa (6,000 PSI)
Maximum Mille-Tie Loop Strength:	>10kg (22lb) [Using a secure latch]

Thermal Properties:

Low Temperature Brittle Point:	<-68°C (-90°F)
Deflection Temperature Under Load:	59°C (139°F) [4.55kPa (66 PSI)]
Recommended Service Temperature Range [no load]:	-20°C to +60°C (-4°F to 140°F)
Short Temp Peak Temperature Range [no load]:	-30°C to +80°C (-22°F to 176°F)
Vicat Softening Temperature:	Rate A, 168°C (334°F)
Flammability UL94 Flame Class:	1.5mm (0.06”) Thickness, Class HB

Flame & UV Properties:

UV Properties [Black or UV resistant coloured]:	Very Good
UV Properties [Natural coloured]:	Some loss of physical properties & yellowing may occur under conditions of prolonged exposure.

Low Smoke Zero Halogen Version:

Low Smoke:	BS 6853 : 1999 Apx D Clause D 8.3 (Smoke)
Zero Halogen:	IEC 754-1: 1994

Air Handling Spaces (PLENUM) Version:

“For Positioning Only, Indoors only, Suitable for use in Air Handling Spaces in accordance with Section 300-22 (C) and (D) of the National Electric Code, and Rules 12-010 (3), (4), and (5), and 12-020 of the Canadian Electric Code, Part 1, File E230261”

USA Meets:	Section 300.22 (C) and (D) of the National Electric Code
Canada Meets:	Rules 12-010 (3), (4) and (5) , and 12-020, Part 1, Canadian Electrical Code

*Specification subject to change without notice