

PRODUCT SPECIFICATION SHEET

Product Name: Millepede™ Mille-Ties™

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
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
UV Properties:	Very Good