



CSI PF40 ~ PAVING FABRIC

PRODUCT DATA SHEET

CSI PF40 is a nonwoven paving fabric manufactured from high quality Polypropylene staple fibers. The fibers are mechanically bonded through needle punching with heat treatment on one side to form a strong, flexible and dimensionally stable fabric structure, with optimum bitumen retention capacity. The geotextile is resistant to chemicals and a biological organism normally found in soils and is stabilized against degradation due to short-term exposure to ultraviolet radiation

Specifications for CSI PF40 Non-woven conforms to the following property values:

Mechanical Properties	TEST METHOD	UNIT	Minimum Average Roll value
Grab Tensile Strength (MD) / (CD)	ASTM D-4632	kN (lbs)	0.39 (87.5) / 0.42 (94.3)
Grab Elongation (MD) / (CD)	ASTM D-4632	%	52.7% / 53.3%
Trapezoid Tear Strength (MD) / (CD)	ASTM D-4533	kN (lbs)	0.19 (43) / 0.22 (49)
Mullen Burst Strength	ASTM D-3786	kPa(psi)	1176 (170)
Puncture strength	ASTM D-4833	kN (lbs)	0.28 (62.8)
Apparent Opening Size(AOS)	ASTM 0-4751	mm (US Sieve)	0.180 (80)
Permittivity	ASTM D-4491	sec ⁻¹	2.1
Permeability	ASTM D-4491	cm/sec	0.1
Melting Point	ASTM-D-276	Degrees Fahrenheit	302°
Flow Rate	ASTM D-4491	1/min/m ² (gal/min/ft ²)	6300 (162)
UV Resistance (at 500 hours)	ASTM D-4355	% strength retained	70

Physical Properties	Test method	Unit	Typical Value
Thickness	ASTM D-5199	mm(miles)	.72 (28)
Roll Dimension(width x length)		m (ft)	3.81x109.73 (12.5x360)
Roll Area	..	m2 (yd ²)	501 (600)

The above values are effective 02/01/2011. All values have -10% tolerances except elongations, water permeability and AOS which are +/-30% tolerances. The information given in this data sheet is based on tests conducted at Essen Polymer, Inc's in-house laboratory and independent accredited laboratories. While the information is presented as a true and accurate representation of the attributes of the products to the best of our knowledge, no expressed or implied warranties are made and Essen Polymers, Inc. assumes no responsibility or liability with regard to the use of this information. The right to make periodic revisions of the specifications without prior notice is reserved.

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