

Keytec 642 Material specification

CONSTRUCTION

Raw material reinforcement Polyester multi-split fibre

Raw material coating both sides LDPE

A fabric made with polyester reinforcement sandwiched between two polyethylene films

PROPERTY	UNIT	VALUE	TEST METHOD
Unit weight	g/m ²	628	BS ISO 965-95
Thickness (2 KN/m ² pressure)	l.03	BS	EN 964-1-95
MACHINE DIRECTION			
Tensile strength	kN/m	24.7	EN ISO 10319-96
Elongation at strain	%	33	EN ISO 10319-96
Trapezoid tear strength	N	545	ASTM D4533-96
CROSS DIRECTION			
Tensile strength	kN/m	24.34	EN ISO 10319-96
Elongation at strain	%	31	EN ISO 10319-96
Trapezoid tear strength	N	381	ASTM D4533-96
STATIC PUNCTURE (CBR)			
Push-through force	kN	2.2	EN ISO 12236-96
Distension at peak	mm	38	EN ISO 12236-96
Puncture resistance			
Drop cone test	mm	7.4	BS EN 918-96
DURABILITY			
Oxidation resistance test	age-%	11.58	ISO 13438-2004
UV – exposure resistance		90%	BS EN 12224-2000

Keytec 642 Suggested specification

Keytec 642 is made from low-density polyethylene with 1000 denier polyester scrim reinforcement.

The performance values of tensile strength are 24kN/m EN ISO 10319.96 and a drop cone test result in no greater than 8mm. The durability performance to be > 90% UV exposure to BS EN 1224 -2000 and oxidation resistance age test of less than 12% to ISO 13438.