

AUSTRALIAN AND NEW ZEALAND HIGHWAY SPECIFICATIONS

ROADS AND MARITIME SERVICES (NSW) SPECIFICATION R63

DEPARTMENT OF TRANSPORT AND MAIN ROADS (QLD) SPECIFICATION MRTS27 NEW ZEALAND TRANSPORT AGENCY SPECIFICATION TNZ F/7

GEOFIRMA™ CHARACTERISTIC VALUE PRODUCT CONFORMANCE

GENERAL

GEOFIRMA™ is a nonwoven continuous filament geotextile made from highly durable virgin (not recycled) polyester fibres. The product is highly needed to produce an engineering textile that is suitable for a wide range of geotechnical applications involving filtration, drainage, protection and separation. The product has been manufactured to meet the specification requirements of the roading authorities referenced.

The product is available in roll widths to 6m.

The GEOFIRMA™ product range is produced in ISO accredited quality factories to the highest manufacturing standards for both local and international markets. The product is wrapped in a highly UV stable outer wrap such that the product may be left outside, onsite for later use provided the wrapper is not removed prior to deployment and use. For details on storage speak to your Global Synthetics office.

PRODUCT CONFORMANCE TO SPECIFICATION

QLD MRTS27 & NSW RMS R63 & NZTA F/7						
GEOFIRMA™ GRADE	STRENGTH CLASS	GRAB TENSILE STRENGTH	TRAPEZOIDAL TEAR STRENGTH	G RATING	EOS - PORE SIZE - Q_{95}	FLOW RATE (Q_{100})
		N	N	-	µm	l/m ² /s
		AS 3706.2	AS 3706.3	AUSTROADS 90	AS 3706.7	AS 3706.9
		Q VALUE	Q VALUE	Q VALUE	MEAN	MEAN
AS150A	A	> 500	> 180	> 900	≤ 120	> 50
AS200B	B	> 700	> 250	> 1350	≤ 120	> 50
AS270C	C	> 900	> 350	> 2000	≤ 120	> 50
AS350D	D	> 1200	> 450	> 3000	≤ 120	> 50
AS500E	E	> 1600	> 650	> 4500	≤ 120	> 50

NOTES

- The characteristics value is defined within each specification of each roading authority. The symbol to denote the characteristic value is Q. The determination of the characteristic value for each required property value of the geotextile (Q) = Mean - 0.83 (Standard Deviation) - for the lot tested.
- All grades of GEOFIRMA™ meet the following filtration classes:
Filtration Class I-VIII for Department of Transport and Main Roads (QLD) - MRTS27
Filtration Class 1-5 for RMS (NSW) - R63
Filtration Class 1-4 for NZTA F/7
- Issue date October 2018



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