

# DUX CG40 Geogrid



DUX CG40 is an extruded biaxial polypropylene geogrid combined with a non-woven filter geotextile. CG40 is especially designed for soil stabilisation and reinforcement applications. DUX CG40 features high tensile strength at both longitudinal (MD) and transverse (TD) directions and has excellent junction efficiency. DUX CG40 is typically used in roadway subgrade improvement.

Index Properties	Test Method	Units	MD Values	TD Values
Polymer	Polypropylene	-	-	-
Minimum Carbon Black	ASTM D 4218	%	2	-
Tensile Strength @ 2% Strain	ASTM D 6637	kN/m	14	14
Tensile Strength @ 5% Strain	ASTM D 6637	kN/m	28	28
Ultimate Tensile Strength	ASTM D 6637	kN/m	40	40
Strain @ Ultimate Strength	ASTM D 6637	%	13	13
Structural Integrity				
Junction Efficiency	GRI GG2	%	90	90
Flexural Rigidity	ASTM D 7748	mg-cm	11,480,000	-
Aperture Stability	COE Method	m-N/deg	2.10	-
Dimensions				
Aperture Dimensions		mm	32	32
Minimum Rib Thickness	ASTM D 1777	mm	2.1	2.1
Roll Width		m	3.95	
Roll Length		m	50	
Roll Mass		kg	93	

