

Texas Tuff Rock Bags 8T Polyester Data Sheet



Physical Properties		
Filled Dimensions Diameter	3.0-3.4 meter	
Filled Dimensions Height	0.7-0.8 meter	
Form	Cone-type Bag, 4 layers of nets	
Net material	Virgin Polyester	
UV Stability	Dyed UV stabilized	
Net Composition	3 ply polyester rope, raschel mesh weave structure	
Mesh Size	50mm square	
Mesh Rope	4mm	ISO 9863
Hangin Rope	16mm	ISO 9863
Tying Rope	10mm	ISO 9863
Performance Characteristics		
Tensile Strength MD kN/m	245.5	ISO 10309 Combined
Tensile Strength MD kN/m	99.3	ISO 10319
Tensile Strength CMD / T kN/m	51.9	ASTM D6637
Elongation MD %	54.1	ISO 10319 Combined
Elongation CMD / T %	44.4	ASTM D6637
Mass / Unit g/m2	312	ASTM D 5261 ISO 9964
Resistance to Hydrolysis Test %	>50	EN 12447*
Resistance to Weathering Test %	>80	EN 12447 *
UV Resistance %	>50	EN 12224*
Durability	Expected Durability of the product is minimum of 25 years in soil and in submerged conditions	Benchmarking, Mtl Supplier*
Microplastics emission	Virgin polyester emits 30% less microplastics than Recycled Polyester	Tested ISO 4484-1:2023 (Modified))
Filling		
Aggregate	Fill aggregate rounded to subrounded and broken concrete	
Aggregate size	75mm to 180mm	
Weight	7.6-8.4 T	
Notes:		
* estimated, testing underway		
*** See Texas Tuff Rock Bag Repair Kit		
**** See Texas Tuff Rock Bag Fill and Install Manual		
Version 8T Poly 1.1		