

Protectamash™ ROCKSHIELD

BRS 1

Physical Characteristics

STRUCTURE:	Diamond
POLYMER TYPE:	HDPE
UV STABILITY:	Carbon Black
BLOWING AGENT:	Yes

Dimensional Characteristics

Measurement	Imperial	Metric
Roll Size: Width: Length:	4.9ft 66ft	1.5m 20m
Thickness:	0.24inches	6.0mm
Weight:	0.15lbs/ft ²	750g/m ²
Strand Angle:	60°	60°
Strand Count:	2.8/inch	1.1/cm

Technical Characteristics

Measurement	Imperial	Metric	Test Method
Tensile Strength:	445lbs/ft	6.5kN/m	ISO 10319
Elongation @ Break:	30%	30%	ISO 10319
Compressive Strength:	230lbs/in ²	1600kPa	ASTM 1621
Impact Resistance:	220in.lb	2.53m.kg	ASTM G14
Specific Gravity:	0.55 - 0.8	0.55 - 0.8	
Material Density:	58.7 - 60lbs/ft ³	940 - 960kg/m ³	ISO 1872
Material Melt Index:	0.44-1.32 x 10 ⁻³ lb/10 min 4.76lb/374°F	0.2-0.6g/10 min 2.16kg/190°C	ISO 1133

All the above information is given in good faith, but the figures are typical values only and should not be taken as a guarantee of performance. Manufacturing tolerances for dimensional and technical characteristics apply and are available upon request. The company reserves the right to improve the product and adjust the specification without notice.



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BRS 2

Physical Characteristics

STRUCTURE:	Diamond
POLYMER TYPE:	HDPE
UV STABILITY:	Carbon Black
BLOWING AGENT:	Yes

Dimensional Characteristics

Measurement	Imperial	Metric
Roll Size: Width: Length:	4.9ft 66ft	1.5m 20m
Thickness:	0.26inches	6.5mm
Weight:	0.19lbs/ft ²	950g/m ²
Strand Angle:	60°	60°
Strand Count:	2.8/inch	1.1/cm

Technical Characteristics

Measurement	Imperial	Metric	Test Method
Tensile Strength:	610lbs/ft	8.9kN/m	ISO 10319
Elongation @ Break:	25%	25%	ISO 10319
Compressive Strength:	380lbs/in ²	2670kPa	ASTM 1621
Impact Resistance:	280in.lb	3.23m.kg	ASTM G14
Specific Gravity:	0.55 - 0.8	0.55 - 0.8	
Material Density:	58.7 - 60lbs/ft ³	940 - 960kg/m ³	ISO 1872
Material Melt Index:	0.44-1.32 x 10 ⁻³ lb/10 min 4.76lb/374°F	0.2-0.6g/10 min 2.16kg/190°C	ISO 1133

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BRS 13

Physical Characteristics

STRUCTURE:	Diamond
POLYMER TYPE:	HDPE
UV STABILITY:	Carbon Black
BLOWING AGENT:	Yes

Dimensional Characteristics

Measurement	Imperial	Metric
Roll Size: Width: Length:	6ft 100ft	1.84m 30.5m
Thickness:	0.14inches	3.5mm
Weight:	0.10lbs/ft ²	500g/m ²
Strand Angle:	90°	90°
Strand Count:	2.8/inch	1.1/cm

Technical Characteristics

Measurement	Imperial	Metric	Test Method
Tensile Strength:	315lbs/ft	4.6kN/m	ISO 10319
Elongation @ Break:	45%	45%	ISO 10319
Compressive Strength:	135lbs/in ²	900kPa	ASTM 1621
Impact Resistance:	190in.lb	2.19m.kg	ASTM G14
Specific Gravity:	0.55 - 0.8	0.55 - 0.8	
Material Density:	58.7 - 60lbs/ft ³	940 - 960kg/m ³	ISO 1872
Material Melt Index:	0.44-1.32 x 10 ⁻³ lb/10 min 4.76lb/374°F	0.2-0.6g/10 min 2.16kg/190°C	ISO 1133

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BRS 17

Physical Characteristics

STRUCTURE:	Diamond
POLYMER TYPE:	HDPE
UV STABILITY:	Carbon Black
BLOWING AGENT:	Yes

Dimensional Characteristics

Measurement	Imperial	Metric
Roll Size: Width: Length:	6.6ft 66ft	2m 20m
Thickness:	0.16inches	4.1mm
Weight:	0.10lbs/ft ²	500g/m ²
Strand Angle:	60°	60°
Strand Count:	2.8/inch	1.1/cm

Technical Characteristics

Measurement	Imperial	Metric	Test Method
Tensile Strength:	340lbs/ft	5.0kN/m	ISO 10319
Elongation @ Break:	30%	30%	ISO 10319
Compressive Strength:	175lbs/in ²	1200kPa	ASTM 1621
Impact Resistance:	190in.lb	2.19m.Kg	ASTM G14
Specific Gravity:	0.55 - 0.8	0.55 - 0.8	
Material Density:	58.7 - 60lbs/ft ³	940 - 960kg/m ³	ISO 1872
Material Melt Index:	0.44-1.32 x 10 ⁻³ lb/10 min 4.76lb/374°F	0.2-0.6g/10 min 2.16kg/190°C	ISO 1133

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