

RUBBERMAX™ DEFLECTOR PRO ANTI-ABRASION RUBBER

RM Bilrite™ RubberMax™ Deflector Pro Anti-Abrasion Rubber is fabricated using a special liquid phase compounding process. This process allows the latex rubber to maintain its keeping initial molecular integrity, resulting in higher performance and durability. Deflector Pro is made from vulcanized premium natural rubber for maximum strength, abrasion resistance, and wear resistance performance. All product batches undergo an additional roughening process in order to increase resistance to cut and tear.

FEATURES:

- Unique compounding process
- Excellent abrasion resistance
- High tensile strength
- High wear resistance
- Extra durable

APPLICATIONS:

- Custom molds
- Slurries
- Valve lining
- Hose/Pipeline lining
- Cyclone lining



TECHNICAL SPECIFICATIONS

Name		RubberMax™ Deflector Pro 36	RubberMax™ Deflector Pro 60
Item ID		M2400-36	M2410-60
Hardness ASTM D2240	Shore A (± 2)	36	60
	psi	3626	4061
Tensile Strength ASTM D412 (min)	MPa	25	28
	%	812	700
Elongation ASTM D412	lb/in	433.9 (Crescent Tear), 182.7 (Unnicked Angle Tear)	
	kg/cm	77.5 (Crescent Tear), 32.6 (Unnicked Angle Tear)	
Abrasion ASTM D5963	mm ³ (min)	211	-
	%	8	-
Tension Set	%	8	-
Specific Gravity ASTM D297	g/cm ³	0.96	1.14
Resilience	% (max)	73	68
Modulus ISO 37:2011	psi	-	1233
	MPa	-	8.5
Temperature Range	°F	-40 - +167	-40 - +167
	°C	-40 - +75	-40 - +75
Color		Red or Blue	Red or Blue

ROLL DIMENSIONS

Units	Widths	Thicknesses							Lengths
		1/8"	3/16"	1/4"	3/8"	1/2"	3/4"	1"	
U.S.	50"	1/8"	3/16"	1/4"	3/8"	1/2"	3/4"	1"	33'
Metric	127 cm	3.2 mm	4.8 mm	6.4 mm	9.5 mm	12.7 mm	19.1 mm	25.4 mm	10.1 m

Custom sizes available upon request

Typical Physical Properties: Per ASTM D300, Section 7.1, Buyer agrees that when standard test specimens are cut from finished parts in accordance with Practice D3183, a deviation to the extent of 10% on tensile strength and elongation values is permissible. All of our thermoplastic products are a proprietary blend of plastics and other components. In any application, the customer should evaluate the performance requirements and conditions that will affect the working life of the thermoplastic product. Where appropriate, field tests may need to be performed before the type of thermoplastic is selected. If the customers' quality assurance includes the testing of thermoplastic materials, the test criteria should specify the physical property of the ASTM specification that is most critical to its application. Polymer type alone may not be adequate for the selection of the thermoplastic that is best suited for a specific application. Buyer acknowledges the use of its own knowledge, expertise, skill, experience and judgment in the selection of product(s) and/or in the selection, provision, or designation of any specifications or set of specifications for a product(s) agreed upon by the Buyer and Seller. Buyer acknowledges that Seller shall not be liable for, and Buyer assumes all risk of, inaccurate or unsuitable specifications or information provided, selected or designed by the Buyer. RM BILRITE™ LLC MAKES NO REPRESENTATIONS OR WARRANTIES WITH RESPECT TO THE SUITABILITY OF MATERIALS FOR A PARTICULAR PURPOSE. BUYERS AND USERS MUST DETERMINE THE SAFETY AND SUITABILITY OF RM BILRITE™ LLC'S PRODUCTS FOR THEIR OWN PURPOSES, AND ASSUME ALL RISK, RESPONSIBILITY, AND LIABILITY FOR ALL INJURIES, LOSSES, OR DAMAGES ARISING FROM THE APPLICATION OF THE INFORMATION OR USE OF RM BILRITE™ LLC'S PRODUCTS, WHETHER OR NOT CAUSED BY RM BILRITE™ LLC'S NEGLIGENCE OR BASED ON STRICT PRODUCT LIABILITY. Terms and conditions are available upon request.