MR42

Marflex™ black, semi-hard natural rubber lining with excellent machinability. FDA compliant.

SPECIFICATIONS

Durometer of Face Material:
Shore A Scale

Pressure Cure:
40-70 D

Skive:
Closed

Repairs:
Repair with original lining
See Section 16 – Repair Procedures

Storage Life from Date of Shipment:
32°F (0°C) to 50°F (10°C) – 180 days
51°F (13°C) to 65°F (19°C) – 90 days
66°F (21°C) to 75°F (23°C) – 60 days
76°F (23°C) to 85°F (30°C) – 30 days

* Storage temperature must not exceed 85°F (30°C).

Caution: Natural rubber is susceptible to deterioration by sunlight and oxygen. This is known as 'weather checking. Do not expose rubber lining to sunlight, ozone or oxygen.

CURE METHODS AND TIMES:	
Autoclave	4 hours at 298°F (148°C)

Note: Cure times may require adjustment to compensate for heavy metal thickness, low exterior temperatures or other unusual factors. See Section 14 – Curing Instructions.

ADHESIVE SYSTEM	
1st Coat on Metal	Chemlok® 289
2nd Coat on Metal	Chemlok® 290
3rd Coat on Metal	Chemlok® 286
On the rubber	Chemlok® 286

* Each adhesive component requires thorough mixing before application.

TYPICAL PHYSICAL PROPERTIES		
Tensile Strength PSI	ASTM D412	1500
% Elongation at Break	ASTM D412	5
Durometer	ASTM D2240	60 D
Specific Gravity	ASTM D927	1.30
Adhesion To Metal	ASTM D429	30 lbs.

APPLICATOR NOTES

1. Plying up layers of rubber lining thicker than 1/2" could result in an exothermic reaction or blistering during cure. Test plate is required to determine cure characteristics.
2. The temperature of the substrate must be greater than 60°F (15°C) prior to applying primer and rubber. Temperatures should not exceed 120°F (49°C).
3. A heated table that warms rubber to approximately 120°F (49°C) prior to application is recommended.
4. Strict adherence to adhesive specifications is required. Tack time is critical to the success of the bond.
5. Caution: Hard rubber linings may crack when subjected to thermal or mechanical shock.