RubberSource

Permobond® RS-5560 Black SBR Rubber A SBR compound that has great molding characteristics with good balance of physical properties for exceptionally high abrasion resistance.

PHYSICAL PROPERTIES

ASTM TEST	VALUE
Hardness (ASTM D2240)	55 +/- 5 Shore A
Tensile (ASTM D412)	1400 psi (min.)
Elongation (ASTM D412)	400% (min.)
Adhesion (ASTM D429)	30LBS (min.)
Tear (Die C)	325 Lbs/Lin. In.
Service Temperature	180°F max. (82.22°C)
Specific Gravity	1.18

RESISTANCE TO

MATERIAL	VALUE
Abrasion, Sliding	Good
Abrasion, Impingement	Good
Acid (Diluted)	Fair
Acid (Concentrated)	Fair
Salt Solutions	Good
Animal & Vegetable Oils	Poor
Oil & Gasoline	Poor

ATMOSPHERIC AGING

MATERIAL	VALUE
Low Temperature Flexibility	Good
Moisture Resistance	Excellent
Compression Set	Good
Permeability	Fair

STANDARD ROLL SIZES

GAUGE	WIDTH	LENGTH	AREA
1/8" (3mm)	4' (1.22m)	131.25' (40m)	525ft² (48.77m²)
3/16" (4mm)	4' (1.22m)	91.75' (27.96m)	367ft² (34.05m²)
1/4" (6mm)	4' (1.22m)	62.25' (18.97m)	249ft² (23.13m²)
3/8" (9mm)	4' (1.22m)	49.25' (15.01m)	197ft² (18.30m²)
1/2" (12mm)	4' (1.22m)	32.75' (9.98m)	131ft² (12.17m²)

CURE METHOD UP TO 1/4" (6mm)

METHOD	TEMPERATURE
Pressure Cure (Autoclave)	2 Hr @ 250°F (121.1°C)
Internal Pressure	1 Hr Rise to 250°F (121°C) Hold @ 250°F (121°C) for 4 Hrs
Atmospheric	24 Hrs @ 212°F (100°C)

ADHESIVE SYSTEM

COAT	ADHESIVE
1st Coat (Primer)	Chemlok 289
2nd Coat (Intermediate)	Chemlok 290
3rd Coat (Tack)	Chemlok 286
4th Coat (Tack)	Chemlok 286

TYPICAL APPLICATIONS

- Molding
- General Mining Equipment
- Hoses

APPLICATION NOTES

1. Make repairs with original lining and follow the specified cure methods.
2. Use Open Skive for joint construction.
3. Curing times listed are guidelines only.
4. Storage: Store in cool and dry area.
5. Shelf Life: Stored below 50°F (10°C) = 180 days.
6. Contact your account representative for specific technical material and lining methodology recommendation.