



POLYURETHANE RUBBER

Liquid polyurethane rubber is a time-tested material for making durable molds and parts when a detailed shape, contour, or curve is desired. When casting concrete, it outperforms most other molding materials because of its ability to copy and reproduce fine details and textures. VFI's pourable urethane rubbers are very versatile, with premium properties and varying speeds to fit any processing needs. Depending on the flexibility needed, our rubbers vary in hardness and are capable of thin pours.

TDI-based rubbers are the preferred option for molding and casting due to their low moisture sensitivity, low exothermic reaction, extended pot life, and longer life span. These products have been used to produce architectural cast stone, concrete stamps and formliners, manufactured stone veneers, and more.

For additional variability in properties, pot life, and demold times, VFI offers a full line of MDI-based liquid urethane rubber for high volume producers.

FEATURES & BENEFITS

- Superior physical properties ideal for urethane rubber mold making
- Improved strength for better abrasion resistance and longer lasting molds
- Captures excellent detail and texture for higher quality, repeated results
- Outperforms when casting pigmented and colored concrete
- Increased rebound properties promote easier demolding
- Decreased moisture sensitivity allows for extended working time
- Low viscosity formula eliminates the need for use of a vacuum chamber
- Stays cleaner longer, resulting in less maintenance and faster pulls
- Scalable for consistent results in large or small scale applications

	Product Name	Shore A Hardness ASTM D2240	A:B Mix Ratio by Volume	Pot Life (minutes)	Mixed Viscosity ASTM D2393	Elongation at Break ASTM D412	Tensile Strength ASTM D412	Tear Strength ASTM D624	Specific Volume (in ³ /lb)	Pour Thickness Minimum	Cured Color
NEW	VFI-2121 VFI-2122	25 A	1A:1B	30	1500 cps	1600%	280 psi	50 pli	27.4	1"	Blue Neutral
	VFI-2123 VFI-2124	25 A	1A:2B	20	1500 cps	1500%	500 psi	50 pli	27.0	1"	Blue Neutral
NEW	VFI-2130 VFI-2139	30 A	1A:1B	20	1500 cps	1500%	450 psi	70 pli	26.9	1"	Blue Neutral
	VFI-2131 VFI-2132	30 A	1A:1B	25	1500 cps	1600%	370 psi	65 pli	27.3	1"	Blue Neutral
NEW	VFI-2133 VFI-2134	35 A	1A:1B	20	1500 cps	1600%	650 psi	75 pli	26.9	3/4"	Blue Neutral
	VFI-2140 VFI-2149	40 A	1A:1B	20	2000 cps	950%	600 psi	80 pli	26.8	3/4"	Blue Neutral
NEW	VFI-2141 VFI-2142	40 A	1A:1B	20	2200 cps	1900%	650 psi	85 pli	27.2	3/4"	Blue Neutral
	VFI-2143 VFI-2144	45 A	1A:1B	20	2000 cps	1200%	750 psi	115 pli	26.7	3/4"	Blue Neutral
NEW	VFI-2151 VFI-2152	50A	1A:1B	20	2500 cps	1220%	805 psi	105 pli	27.3	1/2"	Blue Neutral
	VFI-2153 VFI-2154	55 A	1A:1B	15-20	2000 cps	1300%	750 psi	125 pli	26.8	1/2"	Blue Neutral
NEW	VFI-2160 VFI-2169	60 A	1A:1B	30	2600 cps	1100%	1100 psi	125 pli	26.2	1/2"	Blue Neutral
	VFI-2163 VFI-2164	60 A	1A:1B	10-15	2000 cps	1250%	1100 psi	150 pli	26.9	1/2"	Blue Neutral
NEW	VFI-2165 VFI-2166	65 A	1A:1B	20	2200 cps	1150%	1250 psi	155 pli	26.0	3/8"	Blue Neutral
	VFI-2170 VFI-2179	70 A	1A:1B	20	3200 cps	985%	915 psi	145 pli	25.9	3/8"	Blue Neutral
NEW	VFI-2180 VFI-2189	80 A	2A:1B	35	1400 cps	770%	800 psi	160 pli	26.2	3/8"	Blue Neutral
	VFI-2190 VFI-2199	90 A	2A:1B	30	2600 cps	650%	1225 psi	205 pli	25.9	3/8"	Blue Neutral

**Demold time is 16 hours unless otherwise specified*

***Shrinkage values < 0.0010 in/in unless otherwise specified*

TYPICAL USAGE BY DUROMETER

