

## POLYURETHANE ELASTOMERS

VFI's polyurethane elastomers are utilized for a handful of part-making projects in a variety of industries, including automotive, medical, and industrial. We have a selection of materials that are compatible with molds made of properly prepared metal, platinum-cured silicone, and prototyping urethane. With varying properties, there are materials available to accommodate your unique processing needs, including pourable and injectable options.

	Product Name	Shore Hardness ASTM D2240	A:B Ratio by Weight	Pot Life	Demold Time	Tensile Strength ASTM D638	Elongation ASTM D412	Tear Strength ASTM D624	Shrinkage Linear 12"x0.5"x0.5"	Cured Color
ROLL-ON TDI	VFI-2075	75 A	100A:100B	4 min	16 hours	910 psi	790%	168 pli	N/A	Neutral
	VFI-2076	75 A	1.02A:1.00B	10 min	16 hours	1,120 psi	933%	232 pli	N/A	Neutral
INJECTABLE MDI	VFI-4620	65 A	1.04A:1.00B	N/A	30 min	900 psi	550%	175 pli	<0.010 in/in	Neutral
	VFI-4630	80 A	100A:98.13B	4 min	20 min	1,021 psi	405%	252 pli	<0.010 in/in	Neutral
	VFI-4640	90 A	100A:98.13B	3.5 min	20 min	2,711 psi	630%	408 pli	<0.010 in/in	Neutral
	VFI-4660	95 A	100A:100B	1.5 min	15 min	2,500 psi	300%	300 pli	<0.010 in/in	Neutral
SLOW MDI-BASED	VFI-4670	70 A	55.4A:100B	6 min	4 hours	900 psi	400%	140 pli	<0.010 in/in	Neutral
	VFI-4680	80 A	56.1A:100B	8 min	4 hours	1,220 psi	450%	195 pli	<0.010 in/in	Neutral
	VFI-4690	90 A	56.1A:100B	6 min	4 hours	1,480 psi	420%	180 pli	<0.010 in/in	Neutral
SLOW TDI-BASED	VFI-4825	25 A	100A:97.3B	30 min	16 hours	280 psi	1,600%	52 pli	<0.0010 in/in	Neutral
	VFI-4830	30 A	100A:97.3B	25 min	16 hours	370 psi	1,600%	63 pli	<0.0010 in/in	Neutral
	VFI-4840	40 A	100A:97.3B	20 min	16 hours	650 psi	1,900%	85 pli	<0.0010 in/in	Neutral
	VFI-4850	50 A	100A:99B	25 min	16 hours	805 psi	1,220%	103 pli	<0.0010 in/in	Neutral
	VFI-4895	95 A	103A:50B	23 min	16 hours	1,300 psi	450%	320 pli	N/A	Neutral

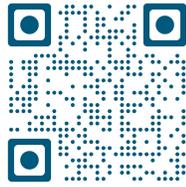
*\*Please reference individual technical data sheets for full product descriptions and properties*

### MANUFACTURER OF HIGH-PERFORMANCE THERMOSET POLYMERS

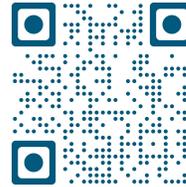
Toll-Free 800-307-9218 | [volatilefree.com](http://volatilefree.com) | [info@volatilefree.com](mailto:info@volatilefree.com)

# PRODUCT TECHNICAL DATA SHEETS

## ROLL-ON TDI

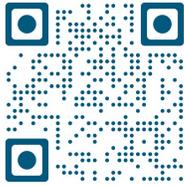


VFI-2075 75 A

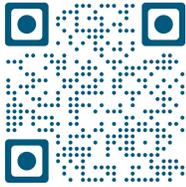


VFI-2076 75 A

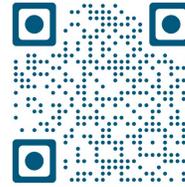
## INJECTABLE MDI



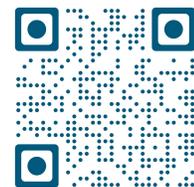
VFI-4620 60 A



VFI-4630 80 A

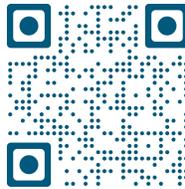


VFI-4640 90 A

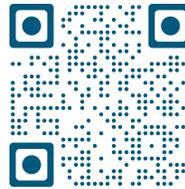


VFI-4660 95 A

## SLOW MDI-BASED



VFI-4670 70 A

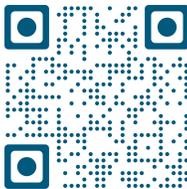


VFI-4680 80 A

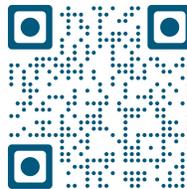


VFI-4690 90 A

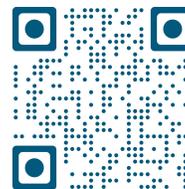
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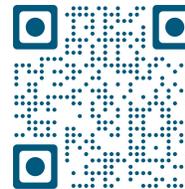
VFI-4825 25 A



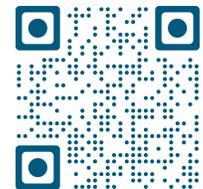
VFI-4830 30 A



VFI-4840 40 A



VFI-4850 50 A



VFI-4895 95 A

## APPLICATIONS



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