

Alchemix® RIM Polyurethanes
For Low Pressure RIM Processing

Alchemix Code	PU 3827	PU 3828	PU 381	PU 382	PU 383
Colour	<i>Natural Black</i>	<i>Natural Black</i>	<i>Natural Black</i>	<i>Natural Black</i>	<i>Natural Black</i>
Mix Ratio (weight) A:B (volume)	100:78 100:67 (3:2)	100:78 100:67 (3:2)	100:117 100:100	100:117 100:100	100:117 100:100
Mixed Viscosity, cPs	600-800	600	200	200	200
Pot Life, secs (200g) @ 25°C	45-60	45-60	30	60	90-100
Demould Time, mins	10-15 (3mm)	10-15 (3mm)	10-15 (3mm)	15-20 (3mm)	20-25 (3mm)
Shore Hardness	75-80	82	70-75	70-75	70-75
Linear Shrinkage 500x50x10	0.14%	0.37%	0.19%	0.19%	0.15%
Tensile Strength, MPa	35-38	37-40	33-36	33-36	33-36
Elongation at Break, %	15-25	5-10	9-13	9-13	9-13
Flexural Strength, MPa	50-54	52-56	50-56	50-56	50-56
Flexural Modulus, MPa	1100	1350	1100	1100	1100
Glass Transition (T_g), °C	95-100	184	130	130	130