

CASTABLES for STEEL

BLAST FURNACE CASTHOUSE

Products	Chemistry (%)		Density (g/cm ³ /lb/ft ³)	Temperature Limit
	Al ₂ O ₃	SiO ₂		
V-CAST® 133A	60.0	1.5	2.98 / 186	1650°C (3000°F)
V-CAST® 218A	70.5	8.1	2.80 / 175	1705°C (3100°F)
V-CAST® FA2L	74.0	4.0	2.98 / 184	1650°C (3000°F)
V-CAST® 418A	70.9	7.5	2.95 / 184	1705°C (3100°F)
V-CAST® 712A	80.7	4.2	3.21 / 203	1650°C (3000°F)
V-CAST® 717A	77.0	2.5	3.04 / 190	1650°C (3000°F)
V-CAST® 719A	75.0	5.1	3.04 / 190	1650°C (3000°F)
V-CAST® 724A	65.9	6.0	2.96 / 185	1650°C (3000°F)
V-CAST® 729A	68.6	3.0	2.90 / 187	1650°C (3000°F)
V-CAST® 739A	54.5	5.7	2.91 / 182	1650°C (3000°F)

BLAST FURNACE STACK MAINTENANCE

Products	Chemistry (%)		Density (g/cm ³ /lb/ft ³)	Temperature Limit
	Al ₂ O ₃	SiO ₂		
STACKCRETE® AZS 5R	49.8	18.2	2.89 / 179	1650°C (3000°F)
STACKCRETE® G	6.0	19.0	1.63 / 101	1650°C (3000°F)
STACKCRETE® 21	70.5	8.1	2.80 / 175	1705°C (3100°F)
STACKCRETE® 62M	61.7	32.8	2.45 / 153	1705°C (3100°F)
STACKCRETE® 608	59.3	28.3	2.60 / 162	1650°C (3000°F)



INSULITE

Product	Chemistry (%)		Density		Temperature Limit		Installation Method
	Al ₂ O ₃	SiO ₂	g/cm ³	lb/ft ³	°C	°F	
INSULMIX® 1630	15.5	46.0	0.46-0.54	29-34	982	1800	Cast, Gun
INSULMIX® 2025	15.4	38.3	0.32-0.48	20-30	1090	2000	Cast, Gun
INSULMIX® 2035 LI	37.9	42.3	0.60	36	1100	2000	Cast, Gun
INSULMIX® 2250	30.2	50.4	0.80-0.86	50-54	1205	2200	Cast, Gun
INSULMIX® 2350	38.2	39.9	0.80	50	1260	2300	Cast, Gun
INSULMIX® 2450	40.5	40.9	0.80-0.88	50-55	1315	2400	Cast, Gun
INSULMIX® 2460 LI	43.8	36	1.0	62	1315	2400	Cast, Gun
INSULMIX® 2570	41.3	42.1	1.09-1.15	68-72	1370	2500	Cast, Gun
INSULMIX® 2675	45.7	40.2	1.19-1.25	74-78	1427	2600	Cast
INSULMIX® 2680	48.3	39.3	1.15-1.25	72-78	1430	2600	Cast, Gun
INSULMIX® 2690 LI	42.5	46.3	1.44	72-78	1425	2600	Cast, Gun
INSULMIX® 2790	49	39.1	1.44-1.51	90-94	1430	2600	Cast, Gun
INSULMIX® 2880	49.3	39.2	1.28-1.35	80-84	1538	2800	Cast
INSULMIX® 2890 G	47.6	42.3	1.38-1.44	86-90	1538	2800	Gun
INSULMIX® 3090 G	55.5	34.3	1.38-1.44	86-90	1649	3000	Gun
INSULMIX® 3095	59.6	32.4	1.52	95	1650	3000	Cast
INSULMIX® 33100	94.5	0.4	1.60	100	1815	3300	Cast
INSULMIX® 25 HS	29	50.6	1.47	92	1370	2500	Cast
INSULMIX® 26 HS	53	40	1.76-1.83	110-114	1530	2800	Cast
INSULMIX® 26 HSG	43.9	43.8	1.87-1.94	117-121	1430	2600	Gun
INSULMIX® 28 HS	43	49.3	1.79-1.86	112-116	1538	2800	Cast
INSULMIX® 29 HS	48.7	41.9	1.68	105	1590	2900	Cast
INSULMIX® 30 HS	55	37.2	1.87-1.94	117-121	1650	3000	Cast
INSULMIX® 32 HS	76	16.4	2.05-2.11	128-132	1760	3200	Cast
INSULMIX® 25 AZS	56	27.2	1.12-1.19	70-74	1370	2500	Cast
INSULMIX® 30 AZS	56.8	27.1	1.44-1.51	90-94	1649	3000	Cast
INSULMIX® 24 G	42	43.5	1.49	93	1315	2400	Gun



PUMPLITE

Product	Chemistry (%)		Density		Temperature Limit		Installation Method
	Al ₂ O ₃	SiO ₂	g/cm ³	lb/ft ³	°C	°F	
PUMPLITE 40	37.2	40.4	0.66	41	1093	2000	Pump, Shot
PUMPLITE 60	40.7	43.3	0.91	57	1315	2400	Pump, Shot
PUMPLITE 60 LI	39.7	47.6	1.02	64	1370	2500	Pump, Shot
PUMPLITE 80	41.6	43.7	1.25	78	1425	2600	Pump, Shot
PUMPLITE 80 LI	42.2	46.7	1.28	80	1425	2600	Pump, Shot

PUMPMAX

Product	Chemistry (%)		Density		Temperature Limit		Installation Method
	Al ₂ O ₃	SiO ₂	g/cm ³	lb/ft ³	°C	°F	
PUMPMAX® 40 LT	49.9	43.1	1.92	120	1426	2600	Pump Cast
PUMPMAX® 50 LT	48.3	45.2	1.52	95	1538	2800	Pump, Shot
PUMPMAX® 60 LT	58.0	35.7	1.89-1.95	118-122	1649	3000	Pump Cast
PUMPLITE 90 LI	40.9	50.4	1.60	100	1650	3000	Pump, Shot

FASTMAX

Product	Chemistry (%)		Density		Temperature Limit		Installation Method
	Al ₂ O ₃	SiO ₂	g/cm ³	lb/ft ³	°C	°F	
FASTMAX® 500 LT	35.0	42.0	0.88-0.95	55-59	1205	2200	Cast, Gun
FASTMAX® 600 LT	39.6	40.0	0.93-0.99	58-62	1316	2400	Cast, Gun
FASTMAX® 700 LT	40.0	41.0	1.09-1.15	68-72	1370	2500	Cast, Gun
FASTMAX® 900 LT	49.0	37.0	1.39-1.46	87-91	1480	2700	Cast, Gun



HYDROCARBON PROCESSING INDUSTRY

Product	Chemistry(%)		Density		Temperature Limit		Installation Method
	Al ₂ O ₃	SiO ₂	g/cm ³	lb/ft ³	°C	°F	
PETROMAX® 16	10.0	31.0	0.40-0.56	25-35	870	1600	
PETROMAX® 18	30.0	30.0	0.40-0.56	25-35	980	1800	
PETROMAX® 350 LT	35.0	48.0	0.53-0.62*	33-39*	1090	2000	Cast, Gun
PETROMAX® 250 LT	11.0	42.5	0.32-0.48	20-30	1090	2000	Cast
			0.37-0.59	23-37			Gun
PETROMAX® 20 LI	30.0	48.0	0.51-0.57	32-42	1090	2000	
PETROMAX® 20 HS	40.0	37.0	0.88-1.06	55-66	1090	2000	
PETROMAX® 22	39.0	37.0	0.88-1.04	55-65	1200	2200	
PETROMAX® 22 HS	44.0	27.0	1.13-1.28	70-80	1200	2200	
PETROMAX® 22 HSG	41.0	31.0	1.13-1.28	70-80	1200	2200	
PETROMAX® T6 AHR	47.0	37.0	1.01-1.07	63-67	1205	2200	Cast
			1.11-1.22	69-73			Gun
PETROMAX® 500 LT	30.0	49.0	0.80-0.86	50-54	1205	2200	Cast
			0.80-0.86	50-54			Gun
PETROMAX® 550 LT	40.0	36.0	0.83-0.93	52-58	1260	2300	Cast, Gun
PETROMAX® 23 LI	40.0	38.0	0.88-1.06	55-66	1260	2300	Cast, Gun
PETROMAX® 23 LIG	36.0	42.0	0.90-1.07	56-67	1260	2300	
PETROMAX® 600 LT	39.0	42.0	0.80-0.86	50-54	1315	2400	Cast
			0.90-0.96	56-60			Gun
PETROMAX® HSG	28.0	54.0	1.17-1.33	73-83	1350	2400	
PETROMAX® 700 LT	45.0	40.0	0.96-1.06*	60-66*	1370	2500	Cast, Gun
PETROMAX® 25 HS	43.0	35.0	1.27-1.43	79-89	1370	2500	
PETROMAX® 25 HSG	40.0	40.0	1.27-1.43	79-89	1370	2500	
PETROMAX® 25 XHS	42.0	38.0	1.30-1.46	81-91	1370	2500	
PETROMAX® 25 LI	44.0	36.0	1.04-1.20	65-75	1370	2500	
PETROMAX® 25 LIG	41.0	39.0	1.04-1.20	65-75	1370	2500	
PETROMAX® 800 LT	50.0	37.0	1.15-1.25	72-78	1425	2600	Cast
			1.20-1.27	75-79			Gun
PETROMAX® T3 G	47.6	42.1	1.76-1.83	110-114	1427	2600	
PETROMAX® T3 C	51.0	40.0	1.79-1.86	112-116	1430	2600	
PETROMAX® 26 LI	47.0	36.0	1.27-1.43	79-89	1430	2600	



PETROMAX® 26 LIG	45.0	38.0	1.27-1.43	79-89	1430	2600	
PETROMAX® 900 LT	55.0	36.0	1.44-1.51	90-94	1480	2700	Cast
			1.38-1.44	86-90			Gun
PETROMAX® 28	55.0	34.0	1.43-1.67	89-104	1540	2800	
PETROMAX® 30	57.0	35.0	1.57-1.78	98-111	1650	3000	
PETROMAX® T2 HP	78.0	9.0	2.63-2.69	164-168	1650	3000	
PETROMAX® T2	82.0	4.5	2.77-2.84	173-177	1650	3000	
PETROMAX® 33	94.0	0.5	1.51-1.68	94-105	1815	3300	
PETROMAX® T1 HP	86.8	7.3	2.56-2.63	160-164	1871	3400	
PETROMAX® T1	90.0	7.0	2.87-2.93	179-183	1870	3400	
PETROMAX® 40P	37.7	40.3	0.66	41	1093	2000	Pump
			0.77	48			Shot

*Cast data **Gun data

