Sweco, A Business Unit of M-I L.L.C.

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We Put Technology In $\mathsf{Motion}^{\mathsf{TM}}$

Particle Size to Screen M art

	Tensil	e Boltinç	g Cloth		Mill Grade				Market Grade					
Mesh	Ono	ning	Wire	% Open	Mesh	Onc	ening	Wire	% Open	Mesh	One	ning	Wire	% Open
TBC		Microns		Open Area			Microns	Dia.	Open Area	MG		Microns	Dia.	Area
					2	.4460	11328	.0540	79.6%	2	.4370	11100	.0630	76.4%
					3	.2923	7424	.0410	76.7%	3	.2790	7087	.0540	70.1%
					4	.2150	5461	.3500	74.0%	4	.2023 .1870	5138 4750	.0475	65.9% 56.0%
					5	.1680	4267	.0320	70.6%	5	.1590	4039	.0410	63.2%
					6	.1387	3523	.0280	69.6%	6	.1318	3348	.0348	62.7%
					7 8	.1149	2918 2540	.0280	64.8% 64.0%	7	.1080	2743 2449	.0350	57.2% 60.2%
					9	.0881	2238	.0230	62.7%	-	.0304	2440	.0200	00.270
					10	.0800	2032	.0200	64.0%	10	.0742	1885	.0258	56.3%
					11	.0709	1801	.0200	61.0%	11	.0730	1854	.0180	64.5%
14 16	.0620	1575 1359	.0090	76.4% 73.3%	12	.0653	1659 1382	.0180	60.8% 57.2%	12 14	.0603	1532 1295	.0230	51.8% 51.0%
18	.0466	1184	.0090	70.2%	16	.0465	1181	.0160	55.4%	16	.0445	1130	.0181	50.7%
20	.0410	1041	.0090	67.2%	18	.0406	1031	.0150	53.4%					
22	.0380	965	.0075	69.7%		2000	044	04.40	54.00/	18	.0386	980	.0173	48.3%
24 26	.0342	869 787	.0075	67.2% 64.8%	20	.0360	914 813	.0140	51.8% 49.6%	20	.0340	864	.0162	46.2%
	.0010	101	.0070	04.070	24	.0287	729	.0130	47.4%					
28	.0282	716	.0075	62.4%	26	.0275	699	.0110	51.1%	24	.0277	704	.0140	44.2%
30	.0268	681	.0065	64.8%										
32 34	.0248	630	.0065	62.7% 60.7%	28 30	.0257	653 605	.0100	51.8% 51.0%	-				
36	.0229	582 541	.0065	58.7%	32	.0238	566	.0095	50.9%	30	.0213	542	.0120	41.0%
38	.0198	503	.0065	56.7%	34	.0204	518	.0090	48.1%					
40	.0185	470	.0065	54.8%	36	.0188	478	.0090	45.8%					
42 44	.0183	465 437	.0055	59.1% 57.4%	38	.0178	452	.0085	45.8%	35	.0176	447	.0118	37.9%
46	.0172	411	.0055	55.8%	40	.0165	419	.0085	43.6%	33	.0176	447	.0116	37.9%
48	.0153	389	.0055	54.2%						40	.0150	381	.0104	36.0%
50	.0145	368	.0055	52.6%	45	.0142	361	.0080	40.8%					
52 54	.0137	348	.0055	51.0%	-					-				
58	.0130	330 323	.0035	49.4% 54.6%	50	.0125	318	.0075	39.1%	-				
60	.0122	310	.0045	53.3%										
62	.0116	295	.0045	51.7%										
64	.0111	282	.0045	50.7%	55	.0112	284	.0070	37.9%	50	.0110	279	.0090	30.3%
70 72	.0106	269 259	.0037	54.9% 53.8%	60	.0102	259	.0065	37.5%					
74	.0098	249	.0037	52.7%										
76	.0095	241	.0037	51.7%										
78	.0091	231	.0037	50.6%						60	.0092	234	.0075	30.5%
80 84	.0088	224	.0037	49.6% 49.8%										
88	.0079	201	.0035	47.9%										
90	.0076	193	.0035	47.8%										
94	.0071	180	.0035	45.0%						80	.0070	178	.0055	31.4%
105 120	.0065	165 147	.0030	46.9% 47.3%						100	.0055	140	.0045	30.3%
145	.0047	119	.0022	46.4%						120	.0046	117	.0037	30.5%
165	.0042	107	.0019	47.1%						150	.0041	104	.0026	37.9%
200	.0034	86	.0016	46.2%						170	.0035	89	.0024	35.4%
230	.0029	74	.0014	46.0%						200	.0029	74 61	.0021	33.6% 36.0%
300	.0022	56	.0012	42.0%						270	.0024	53	.0016	32.0%
										325	.0017	43	.0014	30.5%
										400	.0015	38	.0010	36.0%
										500	.0010	25	.0010	25.0%
]			l				635	.0008	20	.0008	25.0%

Mesh Conversion Ch								
	Ma	rket Gra	de					
		ning Microns	Wire Dia.	% Open Area				
	.4370	11100	.0630	76.4%				
	.2790	7087	.0540	70.1%				
	.2023	5138	.0475	65.9%				
	.1870	4750	.0630	56.0%				
_	.1590	4039 3348	.0410	63.2%				
	.1318	2743	.0348	62.7% 57.2%				
	.0964	2449	.0286	60.2%				
	.0742	1885	.0258	56.3%				
	.0730	1854 1532	.0180	64.5% 51.8%				
	.0510	1295	.0204	51.0%				
	.0445	1130	.0181	50.7%				
	.0386	980	.0173	48.3%				
	.0340	864	.0162	46.2%				
	.0277	704	.0140	44.2%				
	.0213	542	.0120	41.0%				
_	0476	447	0110	27.00/				
	.0176	447	.0118	37.9%				
	.0150	381	.0104	36.0%				
	.0110	279	.0090	30.3%				
	.0092	234	.0075	30.5%				
	.0070	178	.0055	31.4%				
	005-	4.10	00:-	00.001				
	.0055	140 117	.0045	30.3%				
	.0046	104	.0037	37.9%				
	.0035	89	.0024	35.4%				
	.0029	74	.0021	33.6%				
	.0024	61	.0016	36.0%				
	.0021	53 43	.0016	32.0% 30.5%				
	.0017	38	.0014	36.0%				
	.0010	25	.0010	25.0%				
	.0008	20	.0008	25.0%				

Clea	ar Oper	ning	U.S. Std. Sieve			
		%	Closest Opening Oper			
ear en	Wire Dia.	Open Area	Std Sieve	in	in Microns	
0	.105	81.9%				
	.063	82.0%				
	.063	82.5%				
	.063	81.0%	1			
	.047	86.0%				
	.047	79.3%				
	.047	79.2% 68.0%	1			
_	.047	70.9%				
	.047	10.570	3.5	.2205	5600	
١	.041	57.3%	4	.1870	4750	
		2.1070	5	.1575	4000	
	.041	56.7%	6	.1319	3350	
۱			7	.1102	2800	
			8	.0929	2360	
			10	.0787	2000	
			12	.0669	1700	
			14	.0551	1400	
			16	.0465	1180	
			18	.0394	1000	
			20	.0335	850	
					 	
			25	.0280	710	
			-		1	
			30	.0236	600	
			30	.0236	000	
			35	.0197	500	
				.5.57		
			40	.0167	425	
			45	.0140	355	
			-			
			\vdash		1	
			50	0110	300	
			50	.0118	300	
					1	
			†			
			60	.0098	250	
				<u> </u>	<u> </u>	
			70	.0083	212	
			80	.0071	180	
			30	.0071	100	
			100	.0059	150	
			120	.0049	125	
			140	.0042	106	
			170	.0035	90	
			200	.0030	75	
			230	.0025	63	
			270	.0021	53	
			325	.0018	45	
			400	.0015	38	

500

.0010

.0008

25

20