

Apéndice C *Resultados del procesamiento de imágenes para material soldado*

Probeta 1					
N	a (mm)	f/a	k(MPa/m)	da/dN (m/ciclos)	dK (Mpa.m ^{1/2})
19000	3.5	0.847	8.888	6.060E-07	8.292
20000	4.106	0.909	9.538	1.630E-07	8.660
21000	4.269	0.925	9.706	7.400E-08	8.769
22000	4.343	0.932	9.781	2.200E-08	8.813
23000	4.365	0.934	9.803	4.700E-08	8.844
24000	4.412	0.939	9.851	4.000E-08	8.884
25000	4.452	0.942	9.891	7.168E-08	8.920
25572	4.493	0.946	9.932	3.800E-08	8.947
26072	4.512	0.948	9.951	6.240E-07	9.095
26572	4.824	0.978	10.259	1.104E-06	9.473
27072	5.376	1.028	10.793	2.000E-09	9.714
27572	5.377	1.029	10.794	8.000E-09	9.716
28072	5.381	1.029	10.797	4.000E-09	9.719
28572	5.383	1.029	10.799	2.200E-08	9.724
29072	5.394	1.030	10.810	3.600E-08	9.737
29572	5.412	1.032	10.827	4.040E-07	9.831
30072	5.614	1.050	11.019	1.340E-07	9.946
30572	5.681	1.056	11.083	4.880E-07	10.078
31072	5.925	1.078	11.313	1.052E-06	10.405
31572	6.451	1.125	11.810	1.336E-06	10.914
32072	7.119	1.186	12.443	1.600E-08	11.202
32572	7.127	1.186	12.451	8.280E-07	11.385
33072	7.541	1.224	12.849	4.348E-09	11.564
33302	7.542	1.224	12.850	1.153E-06	11.667
33504	7.775	1.246	13.076	2.970E-08	11.771
33706	7.781	1.247	13.082	1.642E-07	11.789

33907	7.814	1.250	13.115	4.187E-07	11.841
34110	7.899	1.258	13.198	2.167E-07	11.898
34313	7.943	1.262	13.241	7.950E-07	11.988
34513	8.102	1.277	13.398	1.473E-06	12.193
34716	8.401	1.305	13.697	3.515E-07	12.360
34918	8.472	1.312	13.769	2.277E-07	12.413
35120	8.518	1.316	13.816	1.980E-08	12.436
35322	8.522	1.317	13.820	1.089E-06	12.539
35524	8.742	1.338	14.044	1.926E-06	12.822
35726	9.131	1.377	14.449	6.634E-07	13.068
35928	9.265	1.390	14.591	1.040E-06	13.232
36129	9.474	1.412	14.814	2.906E-07	13.362
36332	9.533	1.418	14.878	7.426E-08	13.398
36534	9.548	1.419	14.894	3.682E-07	13.441
36735	9.622	1.427	14.975	2.439E-07	13.502
36940	9.672	1.432	15.029	8.500E-08	13.535
37140	9.689	1.434	15.048	3.723E-06	13.925
37342	10.441	1.515	15.896	7.214E-07	14.383
37543	10.586	1.531	16.065	2.059E-07	14.481
37747	10.628	1.536	16.115	2.224E-06	14.745
37948	11.075	1.587	16.653	3.824E-07	15.030
38152	11.153	1.596	16.749	1.255E-06	15.215
38352	11.404	1.626	17.062	1.790E-06	15.568
38557	11.771	1.671	17.534	2.680E-06	16.104
38757	12.307	1.739	18.252	2.438E-07	16.458
38958	12.356	1.746	18.320	2.784E-06	16.852
39162	12.924	1.823	19.129	4.878E-07	17.282
39367	13.024	1.837	19.276	3.396E-06	17.810
39564	13.693	1.935	20.302	1.119E-06	18.435
39766	13.919	1.969	20.666	2.149E-06	18.923
39967	14.351	2.038	21.387	5.911E-07	19.341

40170	14.471	2.058	21.593	2.426E-07	19.472
40372	14.52	2.066	21.678	7.200E-07	19.624
40572	14.664	2.090	21.931	1.000E-07	19.770
40972	14.704	2.097	22.002	3.667E-08	19.820
41572	14.726	2.100	22.042	1.869E-08	19.841
41786	14.73	2.101	22.049		

 Probeta 2

N	a (mm)	f/a	k(MPa/m)	da/dN (m/ciclos)	dK (Mpa.m ^{1/2})
19000	3.5	0.847	0.847	6.990E-07	8.335
20000	4.199	0.918	0.918	1.840E-07	8.713
20500	4.291	0.927	0.927	1.120E-07	8.781
21000	4.347	0.932	0.932	1.080E-07	8.831
21500	4.401	0.938	0.938	1.280E-07	8.884
22000	4.465	0.944	0.944	4.200E-08	8.923
22500	4.486	0.946	0.946	6.000E-09	8.934
23000	4.489	0.946	0.946	2.400E-08	8.941
23500	4.501	0.947	0.947	2.200E-08	8.951
24000	4.512	0.948	0.948	2.200E-08	8.961
24500	4.523	0.949	0.949	9.091E-08	8.988
25050	4.573	0.954	0.954	2.800E-08	9.023
26050	4.601	0.957	0.957	2.130E-07	9.130
27050	4.814	0.977	0.977	3.200E-08	9.239
28050	4.846	0.980	0.980	4.680E-07	9.456
29050	5.314	1.023	1.023	2.270E-07	9.757
30050	5.541	1.043	1.043	7.000E-09	9.858
31050	5.548	1.044	1.044	1.000E-08	9.863
31550	5.553	1.044	1.044	6.000E-07	9.993
32050	5.853	1.072	1.072	1.060E-07	10.143

32550	5.906	1.076	1.076	4.700E-07	10.266
33050	6.141	1.097	1.097	2.120E-07	10.411
33550	6.247	1.107	1.107	3.340E-07	10.526
34050	6.414	1.122	1.122	5.800E-08	10.610
34550	6.443	1.125	1.125	9.600E-08	10.642
35050	6.491	1.129	1.129	5.500E-08	10.667
35250	6.502	1.130	1.130	#¡REF!	10.672
35490	6.527	1.132	1.132	3.371E-06	10.973
35684	7.181	1.191	1.191	2.315E-07	11.272
35887	7.228	1.196	1.196	6.847E-07	11.353
36090	7.367	1.208	1.208	1.250E-07	11.424
36290	7.392	1.211	1.211	1.270E-06	11.547
36494	7.651	1.235	1.235	8.333E-08	11.667
36698	7.668	1.236	1.236	1.364E-07	11.687
36896	7.695	1.239	1.239	1.040E-07	11.708
37098	7.716	1.241	1.241	2.079E-07	11.735
37300	7.758	1.244	1.244	3.465E-08	11.757
37502	7.765	1.245	1.245	4.039E-07	11.796
37705	7.847	1.253	1.253	9.307E-07	11.915
37907	8.035	1.270	1.270	3.300E-07	12.029
38110	8.102	1.277	1.277	3.463E-07	12.090
38315	8.173	1.283	1.283	2.284E-07	12.142
38512	8.218	1.288	1.288	4.138E-07	12.200
38715	8.302	1.296	1.296	1.478E-08	12.239
38918	8.305	1.296	1.296	3.762E-07	12.275
39120	8.381	1.303	1.303	3.960E-08	12.313
39322	8.389	1.304	1.304	9.655E-07	12.406
39525	8.585	1.323	1.323	2.118E-07	12.515
39728	8.628	1.327	1.327	1.429E-06	12.666
39926	8.911	1.355	1.355	1.980E-07	12.816
40128	8.951	1.359	1.359	2.277E-07	12.856

40330	8.997	1.363	1.363	1.015E-06	13.072
40733	9.406	1.405	1.405	1.485E-08	13.269
40935	9.409	1.405	1.405	8.976E-07	13.359
41140	9.593	1.424	1.424	6.550E-07	13.513
41340	9.724	1.438	1.438	4.356E-07	13.621
41542	9.812	1.447	1.447	4.455E-08	13.669
41744	9.821	1.448	1.448	2.757E-06	13.957
41946	10.378	1.508	1.508	9.360E-07	14.340
42149	10.568	1.529	1.529	3.980E-08	14.444
42350	10.576	1.530	1.530	7.065E-07	14.524
42551	10.718	1.546	1.546	8.670E-07	14.694
42754	10.894	1.566	1.566	1.851E-06	14.994
42955	11.266	1.609	1.609	6.404E-08	15.207
43158	11.279	1.611	1.611	7.363E-07	15.298
43359	11.427	1.629	1.629	7.413E-07	15.467
43560	11.576	1.647	1.647	2.137E-06	15.810
43764	12.012	1.701	1.701	7.426E-07	16.158
43966	12.162	1.720	1.720	9.010E-07	16.361
44168	12.344	1.744	1.744	4.604E-07	16.531
44370	12.437	1.756	1.756	1.520E-07	16.609
44574	12.468	1.761	1.761	6.650E-07	16.713
44774	12.601	1.778	1.778	1.896E-06	17.046
44976	12.984	1.831	1.831	1.926E-06	17.558
45178	13.373	1.887	1.887	2.360E-06	18.161
45381	13.852	1.959	1.959	1.438E-06	18.715
45582	14.141	2.004	2.004	4.455E-07	18.997
45784	14.231	2.018	2.018	3.465E-08	19.070
45986	14.238	2.020	2.020	1.619E-06	19.328
46188	14.565	2.073	2.073		

Experimento 3

N	a (mm)	f/a	k(MPa/m)	da/dN (m/ciclos)	dK (Mpa.m ^{1/2})
19000	3.5	0.847	8.888	6.060E-07	8.292
20000	4.106	0.909	9.538	1.630E-07	8.660
21000	4.269	0.925	9.706	7.400E-08	8.769
22000	4.343	0.932	9.781	2.200E-08	8.813
23000	4.365	0.934	9.803	4.700E-08	8.844
24000	4.412	0.939	9.851	1.020E-07	8.912
25000	4.514	0.948	9.953	2.200E-07	9.056
26000	4.734	0.969	10.171	3.170E-07	9.293
27000	5.051	0.999	10.480	6.800E-08	9.462
28000	5.119	1.005	10.546	3.680E-07	9.650
29000	5.487	1.038	10.898	6.600E-08	9.837
30000	5.553	1.044	10.961	9.600E-08	9.886
30500	5.601	1.049	11.007	2.260E-07	9.954
31000	5.714	1.059	11.114	5.100E-07	10.111
31500	5.969	1.082	11.355	4.000E-09	10.220
32000	5.971	1.082	11.357	6.000E-09	10.222
32500	5.974	1.082	11.360	1.410E-06	10.523
33000	6.679	1.146	12.025	4.760E-07	10.924
33500	6.917	1.167	12.251	1.140E-07	11.050
34000	6.974	1.173	12.305	5.000E-08	11.085
34500	6.999	1.175	12.329	1.040E-07	11.118
35000	7.051	1.180	12.378	2.700E-07	11.164
35200	7.105	1.184	12.430	2.242E-08	11.191
35646	7.115	1.185	12.439	1.083E-08	11.198
36200	7.121	1.186	12.445	1.276E-08	11.205
37062	7.132	1.187	12.456	2.000E-08	11.212
37262	7.136	1.187	12.459	2.475E-08	11.216
37464	7.141	1.188	12.464	6.931E-08	11.224

37666	7.155	1.189	12.478	3.465E-08	11.233
37868	7.162	1.190	12.484	7.921E-08	11.243
38070	7.178	1.191	12.500	2.624E-07	11.272
38272	7.231	1.196	12.550	7.426E-08	11.302
38474	7.246	1.197	12.565	9.406E-08	11.316
38676	7.265	1.199	12.583	6.436E-08	11.330
38878	7.278	1.200	12.595	3.960E-07	11.370
39080	7.358	1.208	12.672	5.644E-07	11.454
39282	7.472	1.218	12.782	2.266E-07	11.524
39485	7.518	1.222	12.827	3.663E-07	11.576
39687	7.592	1.229	12.898	1.576E-07	11.622
39890	7.624	1.232	12.929	2.229E-06	11.838
40095	8.081	1.275	13.378	1.668E-06	12.194
40300	8.423	1.307	13.719	6.900E-07	12.410
40500	8.561	1.321	13.859	3.550E-07	12.506
40700	8.632	1.328	13.932	2.410E-06	12.763
40900	9.114	1.375	14.431	3.050E-07	13.017
41100	9.175	1.381	14.495	2.300E-07	13.068
41300	9.221	1.386	14.544	2.500E-08	13.094
41700	9.231	1.387	14.555	3.400E-07	13.132
41900	9.299	1.394	14.627	2.000E-07	13.184
42110	9.341	1.398	14.672	5.400E-07	13.257
42310	9.449	1.409	14.787	4.455E-07	13.352
42512	9.539	1.418	14.885	1.379E-07	13.410
42715	9.567	1.421	14.915	6.816E-07	13.491
42916	9.704	1.435	15.064	9.559E-07	13.655
43120	9.899	1.456	15.280	1.257E-06	13.818
43225	10.031	1.470	15.427	2.109E-06	14.103
43426	10.455	1.516	15.912	2.549E-07	14.348
43630	10.507	1.522	15.973	2.718E-07	14.418
43928	10.588	1.531	16.068	3.267E-07	14.496

44130	10.654	1.538	16.146	5.700E-07	14.592
44330	10.768	1.551	16.281	1.951E-07	14.674
44535	10.808	1.556	16.329	4.129E-07	14.741
44736	10.891	1.565	16.429	3.333E-07	14.822
44937	10.958	1.573	16.510	4.446E-06	15.375
45141	11.865	1.683	17.657	7.363E-07	15.980
45342	12.013	1.701	17.854	1.668E-06	16.488
45746	12.687	1.790	18.786	8.235E-07	17.016
45950	12.855	1.813	19.028	1.000E-08	17.126
46150	12.857	1.813	19.031	7.450E-07	17.226
46350	13.006	1.834	19.249	1.098E-06	17.476
46555	13.231	1.866	19.586	2.927E-07	17.668
46760	13.291	1.875	19.677	3.090E-06	18.147
46960	13.909	1.968	20.649	6.300E-07	18.677
47160	14.035	1.987	20.856		
