EMS-GRILTECH worldwide

www.emsgriltech.com
info@emsgriltech.com

Europe

EMS-CHEMIE AG
Business Unit EMS-GRILTECH
Via Innovativa 1
CH-7013 Domat/Ems

Phone +41 81 632 72 02
Fax +41 81 632 74 02
Mail info@emsgriltech.com

North America

EMS-CHEMIE (North America) Inc.
Business Unit EMS-GRILTECH
2060 Corporate Way
P.O. Box 1717
Sumter, SC 29 151-1717, USA

Toll free +1 877 367 83 23
Phone +1 803 481 61 90
Fax +1 803 481 61 29
Mail info@us.emsgriltech.com

Asia

EMS-CHEMIE (Taiwan) Ltd.
Business Unit EMS-GRILTECH
36, Kwang Fu South Road,
Hsin Chu Industrial Park
Fu Kou Hsiang, Hsin Chu Hsin
30351 Taiwan, R.O.C.

Phone +886 35 985 335
Fax +886 35 985 731
Mail info@tw.emsgriltech.com

Japan

EMS-CHEMIE (Japan) Ltd.
Business Unit EMS-GRILTECH
Osaka Office, Umeda Shinmichi Bldg.
1-1-5, Dojima, Kita-ku
Osaka 530-0003, Japan

Phone +81 6 6348 16 55
Fax +81 6 6348 17 02
Mail info@jp.emsgriltech.com

EMS-GRILTECH

www.emsgriltech.com

07.2010 1000 EMS-GRILTECH



ホットメルト接着剤
Hotmelt Adhesives

Griltex®
EMS

		溶融範囲 *Melting Range*	溶融粘度 *Melt Viscosity*	MVR *MVR*	ラミネーション *Lamination*	耐 性 *Resistance against*				適 性 *Suitable for*		
COPOLYAMIDE		DSC [°C]	160°C/2.16 kg ISO 1133 [Pa*s]	160°C/2.16 kg ISO 1133 [cm³/10 min]	樹脂温 *Adhesive* [°C]	熱 *Heat* [°C]	洗濯 *Laundring* [°C]	ドライクリーニング *Dry Cleaning*	スチーム *Steam*	フィルム、ウェブ *Films and Webs*	柔軟性 Beschichtungen *Flexible Coatings*	
1A	G/P	105 - 115	650	16	130 - 160	100	60	++	+	s		**1A**
2A	G/P	120 - 130	600	18	130 - 160	115	95	++	++	s		**2A**
11A	G/P	105 - 115	500	20	120 - 150	100	60	++	+	s		**11A**
D 1260A	P	105 - 120	250	45	120 - 150	100	60	++	++			**D 1260A**
D 1299A *	G	112 - 118	120	90	110 - 130	90	40	++	-	s		**D 1299A ***
D 1330A	G	125 - 135	1200 [1]	9 [1]	150 - 190	120	95	++	+	s		**D 1330A**
D 1500A / D 1516A *	G/P	85 - 95	150	70	100 - 140	80	60	++	+	s		**D 1500A / D 1516A ***
D 1523A	G	145 - 155	1000 [1]	11 [1]	170 - 200	140	60	++	-	s		**D 1523A**
D 1541A / D 1566A *	G/P	115 - 125	180	59	110 - 150	110	60	++	++	s		**D 1541A / D 1566A ***
D 1549A *	G	115 - 125	80	130	120 - 160	110	60	++	++	s		**D 1549A ***
D 1556A	G/P	130 - 140	500	21	140 - 170	125	60	++	-	s		**D 1556A**
D 1662A *	G	110 - 120	1400	7.5	150 - 180	110	40	++	-	s		**D 1662A ***
D 1666A	G/P	75 - 85	120	90	90 - 120	60	40	++	+	s		**D 1666A**
D 1694A	G/P	110 - 120	150	70	110 - 150	100	60	++	++	s		**D 1694A**
D 1709A	G/P	110 - 120	190	55	110 - 130	105	40	++	-	s		**D 1709A**
D 1796A	G/P	150 - 160	500 [1]	20 [1]	170 - 200	140	95	++	-	s		**D 1796A**

* Hitzestabilisiert / Heat stabilized

COPOLYESTER												
6E	G/P	125 - 130	800	13	140 - 170	110	75	+	++	s		**6E**
8E	G/P	110 - 115	750	14	130 - 160	95	60	+	+	s		**8E**
9E	G/P	118 - 123	350	30	120 - 150	100	75	+	+	s		**9E**
D 1309E	G/P	145 - 155	120 [1]	90 [1]	160 - 180	120	60	+	++	s	f	**D 1309E**
D 1365E	G/P	98 - 107	450	23	120 - 140	80	60	+	+	s		**D 1365E**
D 1377E	G/P	150 - 160	300 [1]	35 [1]	170 - 200	130	60	+	++	s		**D 1377E**
D 1442E	G	105 - 115	700	15	120 - 150	90	60	+	+	u	f	**D 1442E**
D 1519E	G	120 - 130	1200	9	140 - 170	110	60	+	+	s		**D 1519E**
D 1533E	G	140 - 150	40 [1]	265 [1]	150 - 160	120	60	+	++		f	**D 1533E**
D 1539E	G/P	118 - 126	100	105	120 - 140	100	60	+	+	s		**D 1539E**
D 1582E	G/P	75 - 85	80	130	90 - 110	50	30	+	+	s	f	**D 1582E**
D 1595E	G	142 - 148	40 [1]	265 [1]	150 - 160	120	60	+	++	s	h	**D 1595E**
D 1619E	G	115 - 120	1100	10	140 - 170	110	60	+	+	u	f	**D 1619E**
D 1655E	G	185 - 195	40 [2]	265 [2]	200 - 230	170	75	+	++	s	h	**D 1655E**
D 1682E	G/P	118 - 123	350	30	120 - 150	100	75	+	+	s		**D 1682E**
D 1841E	G/P	190 - 200	60 [2]	175 [2]	200 - 250	170	95	+	++			**D 1841E**
D 1939E	G/P	145 - 155	130 [1]	81 [1]	150 - 170	120	75	+	+	u	h	**D 1939E**
D 2116E	G/P	125 - 135	250	42	130 - 160	110	60	+	+	s	h	**D 2116E**
D 2119E	G	120 - 140	200	53	140 - 170	110	60	+	+		f	**D 2119E**
D 2132E	G/P	110 - 120	300	35	110 - 140	90	60	+	+	s	h	**D 2132E**
D 2223E[FR]	G/P	120 - 130				100	60	+	+			**D 2223E[FR]**
D 2245E	G/P	105 - 120	300	35	110 - 140	90	60	+	+	s	h	**D 2245E**
D 2274E	G	120 - 150	450	23	150 - 180	110	60	+	+	s	f	**D 2274E**

[FR] 難燃処方 / *Flame retardant*

[1] *at* 190°C

[2] *at* 210°C

s = サポート紙・フイルム要 / *supported*
u = サポート紙・フイルム不要 / *unsupported*

f = 柔軟 / *flexible*
h = 高柔軟 / *highly flexible*

全ての値は乾燥状態 で測定されております。 / *All measurements have been carried out with dried material*