

CYCOLOY € C1200HF resin

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CYCOLOY C1200HF is the improved version of CYCOLOY C1200 and has been developed to provide enhanced productivity and surface appearance for

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UL • •	E45329-236710		
’ ’	“ ” • _		
RoHS — ~ ’	RoHS — ~		
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ī Φ’ €	α ¥	§ ” ©	^a « > œ
— -	1.15	g/cm€	ISO 1183
® ° ± ² ³ (MVR)			ISO 1133
260•C/2.16 kg	8.00	cm€/10min	ISO 1133
260•C/5.0 kg	22.0	cm€/10min	ISO 1133
´ μ³ - ² ¶ ¹	0.50 · 0.70	%	„ ¹ > œ
° » ³			ISO 62
¼½, 23•C	0.60	%	ISO 62
¾, 23•C, 50% RH	0.20	%	ISO 62
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ÄÄÄ - (R ÄÄ)	115		ISO 2039-2
ÄÆÄ - (H 358/30)	96.0	MPa	ISO 2039-1
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ÉÊËÌ	2400	MPa	ISO 527-2/1
ÉÊÍ Î			ISO 527-2/5, ISO 527-2/50
Ī Đ	55.0	MPa	ISO 527-2/5, ISO 527-2/50
ÑÒ	45.0	MPa	ISO 527-2/5, ISO 527-2/50
ÉÊÍ Ó			
Ī Đ	5.0	%	ISO 527-2/5
Ī Đ	4.0	%	ISO 527-2/50
ÑÒ	100	%	ISO 527-2/5
ÑÒ	> 50	%	ISO 527-2/50
ÔÕËÌ ²	2300	MPa	ISO 178
ÔÕÍ Î	80.0	MPa	ISO 178
Ö×ØÙ’ (1000 Cycles, 1000 g, CS-17 ÚÚ)	63.0	mg	„ ¹ > œ
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ƐΒà á á ÜÝ ä -			ISO 179/1eA
-30•C ³	18	kJ/m,	ISO 179/1eA
-30•C ⁴	30	kJ/m,	ISO 179/1eA
23•C ⁵	45	kJ/m,	ISO 179/1eA
23•C ⁶	50	kJ/m,	ISO 179/1eA
ƐΒà ä á ä ÜÝ ä - ⁷			ISO 179/1eU
-30•C	ä ÑÒ		ISO 179/1eU

23•C	ä ÑÒ		ISO 179/1eU
ã æ à á â ÜÝ ã -			ISO 180/1A
-30•C ⁸	20	kJ/m,	ISO 180/1A
-30•C ⁹	30	kJ/m,	ISO 180/1A
23•C ¹⁰	50	kJ/m,	ISO 180/1A
23•C ¹¹	40	kJ/m,	ISO 180/1A
ä á â ç è é ÜÝ ã -			ISO 180/1U
-30•C ¹²	ä ÑÒ		ISO 180/1U
23•C ¹³	ä ÑÒ		ISO 180/1U
ê' £	¤ ¥ ¦	§ ¨ ©	^a « » œ
é Ó è Ì - ¹⁴			
0.45 MPa, í î ï , 100 mm ð ñ	128	•C	ISO 75-2/Be
1.8 MPa, í î ï , 100 mm ð ñ	108	•C	ISO 75-2/Ae
ò • ó ò Ì -			
--	132	•C	ISO 306/B50
--	134	•C	ISO 306/B120
Ball Pressure Test (125•C)	Pass		IEC 60695-10-2
ô è ê ö ÷ ø			ISO 11359-2
² ¶ : -40 · 40•C	8.0E-5	cm/cm/•C	ISO 11359-2
ù ú : -40 · 40•C	8.0E-5	cm/cm/•C	ISO 11359-2
û ê ÷ ø	0.20	W/m/K	ISO 8302
RTI Elec	105	•C	UL 746
RTI Imp	80.0	•C	UL 746
RTI	105	•C	UL 746
ü ý' £	¤ ¥ ¦	§ ¨ ©	^a « » œ
þ ý ü ³	> 1.0E+15	ohms	IEC 60093
° ± ü ³	> 1.0E+15	ohms cm	IEC 60093
ü ã -			IEC 60243-1
0.800 mm,	35	kV/mm	IEC 60243-1
1.60 mm,	25	kV/mm	IEC 60243-1
3.20 mm,	17	kV/mm	IEC 60243-1
ü ³			IEC 60250
50 Hz	2.80		IEC 60250
60 Hz	2.80		IEC 60250
1 MHz	2.70		IEC 60250
ø			IEC 60250
50 Hz	2.0E-3		IEC 60250
60 Hz	2.0E-3		IEC 60250
1 MHz	7.0E-3		IEC 60250
ø ü ø (CTI)	PLC 2		UL 746
ü ø	250	V	IEC 60112
'	¤ ¥ ¦	§ ¨ ©	^a « » œ
UL			UL 94
1.20 mm	HB		UL 94
3.00 mm	HB		UL 94
ê ø (1.00 mm)	650	•C	IEC 60695-2-12
ø	23	%	ISO 4589-2
• ž	¤ ¥ ¦	§ ¨ ©	
ì -	100 · 110	•C	
	3.0 · 4.0	hr	
,	8.0	hr	
! " # » \$ % Ì	0.020	%	
! " • ž Ì	30 · 80	%	
&' ì -	60.0 · 80.0	•C	

&() 1 ì -	250 · 290	•C
&(1 ì -	255 · 295	•C
&(* 1 ì -	260 · 300	•C
Ž + ì -	275 · 300	•C
™Š (, °) ì -	275 · 300	•C
Ě - ì -	60.0 · 90.0	•C
. Æ	0.300 · 0.700	MPa
/ OÚ1	40 · 70	rpm
2ý 34-	0.038 · 0.076	mm

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1.	Tensile Bar
2.	2.0 mm/min
3.	80*10*4 sp=62mm
4.	80*10*3 sp=62mm
5.	80*10*4 sp=62mm
6.	80*10*3 sp=62mm
7.	80*10*4 sp=62mm
8.	80*10*4
9.	80*10*3
10.	80*10*3
11.	80*10*4
12.	80*10*4
13.	80*10*3
14.	120*10*4 mm