

# LEXAN® 940A resin

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Medium viscosity, flame retardant PC. Exceptional surface. Clear, tints and opaque colors.

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UL ^ ‰		E121562-100175209		
Š < €		• Ž •		
• •		‘ ‘ “ ”	• — •	• Ž •
“ ”		˘ ™ Š	> œ • Ž	ÿ /™ Š
< j ¢ £		¤ ¥ ¦ §		
¨ ©ª «		Instrumented Impact (Energy) (ASTM D3763)	Instrumented Impact (Load) (ASTM D3763)	Shear DMA (ASTM D4065)
¬ - • ®		° ±	2 3 ´	µ ¶ ¸ €
· ¸		ASTM D792		
--		1.21	g/cm€	ASTM D792
--		1.22	g/cm€	ASTM D792
• ° 1 °		0.835	cm€/g	ASTM D792
> Ž •		° ±	2 3 ´	µ ¶ ¸ €
Radiant Panel Listing (UL)		YES		
¬ - • ®		° ±	2 3 ´	µ ¶ ¸ €
» ¼½(» ¹ ¼¾¿ ½) (300•C/1.2 kg)		10	g/10 min	ASTM D1238
À Á ½ - ¼¾ (3.20 mm)		0.50 Å 0.70	%	Ã Ä ¢ £
Å Æ½		ASTM D570		
24 hr		0.15	%	ASTM D570
Ç È , 23•C		0.35	%	ASTM D570
Ç È , 100•C		0.58	%	ASTM D570
É Ê		° ±	2 3 ´	µ ¶ ¸ €
Ë Ì É Ê		ASTM D785		
M Í		70	ASTM D785	
R Í		118	ASTM D785	
Î Ï • ®		° ±	2 3 ´	µ ¶ ¸ €
Ð Ñ Ò Ë ¹		ASTM D638		
Ó Ô		62.1	MPa	ASTM D638
Ö Ø		55.8	MPa	ASTM D638
× Ø½ ²		ASTM D638		
Ó Ô		7.0	%	ASTM D638
Ö Ø		90	%	ASTM D638
Ù Ú Û Ü ³ (50.0 mm Ý Þ)		2240	MPa	ASTM D790
Û Ü Ö Ë ⁴ (Ó Ô, 50.0 mm Ý Þ)		91.0	MPa	ASTM D790
ß à á â • (1000 Cycles, 1000 g, CS-17 ã ä)		10.0	mg	ASTM D1044
å æ• ®		° ±	2 3 ´	µ ¶ ¸ €
ç è é ê ë å æ Ò Ë (23•C)		640	J/m	ASTM D256
ì ê è ç í é å æ (23•C)		3200	J/m	ASTM D4812
î ï å æ (23•C)		169	J	ASTM D3029
ð × å æ Ò Ë ⁵		525	kJ/m,	ASTM D1822

ñ • ®	° ±	2 3 ´	µ ¶ ¢ £
ò ó ô õ ö ÷ Ê			ASTM D648
0.45 MPa, ø ù ú , 6.40 mm	138	•C	ASTM D648
1.8 MPa, ø ù ú , 6.40 mm	132	•C	ASTM D648
û %ü ý ÷ Ê	152	•C	ASTM D1525 <sup>6</sup>
p õ ñ ÿ <sup>a</sup> - ¼¾ (-40 Å 95•C)	6.8E-5	cm/cm/•C	ASTM E831
ñ <sup>a</sup>	0.19	W/m/K	ASTM C177
RTI Elec	130	•C	UL 746
RTI Imp	120	•C	UL 746
RTI	130	•C	UL 746
• ®	° ±	2 3 ´	µ ¶ ¢ £
1 ° • ½	> 1.0E+17	ohms cm	ASTM D257
Ò Ê (3.20 mm, in Air)	17	kV/mm	ASTM D149
<sup>a</sup>			ASTM D150
50 Hz	3.01		ASTM D150
60 Hz	3.01		ASTM D150
1 MHz	2.96		ASTM D150
<sup>a</sup>			ASTM D150
50 Hz	9.0E-4		ASTM D150
60 Hz	9.0E-4		ASTM D150
1 MHz	0.010		ASTM D150
á • <sup>7</sup>	PLC 7		ASTM D495
• á <sup>a</sup> (CTI)	PLC 2		UL 746
Ž <sup>a</sup> (HAI)	PLC 3		UL 746
¿ ½ (HVTR)	PLC 3		UL 746
ñ Ž (HWI)	PLC 2		UL 746
> Ž •	° ±	2 3 ´	µ ¶ ¢ £
UL • Ž – Í			UL 94
1.47 mm	V-2		UL 94
3.00 mm	V-0		UL 94
<sup>a</sup>	35	%	ISO 4589-2
• ®	° ±	2 3 ´	µ ¶ ¢ £
¥ ½	1.586		ASTM D542
<sup>TM</sup> ¥ ½ (2540 fm)	85.0	%	ASTM D1003
Ê (2540 fm)	1.0	%	ASTM D1003
¤ ¥	° ±	2 3 ´	
÷ Ê	121	•C	
	3.0 Å 4.0	hr	
,! "	48	hr	
# \$%! " Æ&' Ü	0.020	%	
# \$ ¤ ¥ Ü	40 Å 60	%	
( ) * Ä ÷ Ê	217 Å 293	•C	
( ) • Ä ÷ Ê	282 Å 304	•C	
( ) + Ä ÷ Ê	293 Å 316	•C	
¥, ÷ Ê	288 Å 310	•C	
< ¡ (> <sup>1</sup> ) ÷ Ê	293 Å 316	•C	
Û- ÷ Ê	71.0 Å 93.0	•C	
.	0.345 Å 0.689	MPa	
/ Oã ¿	40 Å 70	rpm	
1 2 3 Ê	0.025 Å 0.076	mm	
4 ¤			
1.	5 § 1, 50 mm/min		
2.	5 § 1, 50 mm/min		
3.	1.3 mm/min		

4.	1.3 mm/min
5.	Type S
6.	6 7 B (120•C/h), 0 0 2 (50N)
7.	8