LEXAN € 121R resin

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SABIC Innovative Plastics

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LEXAN 121R is a low viscosity multi purpose grade and contains a release agent to ensure easy processing. LEXAN 121R is available in transparent, translucent and opaque colours.

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UL ˆ ‰	E45329-236636		
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• •	‘ ’ “	” ‹ • • ¸ – —	
RoHS ˜ ™ •	RoHS ˜ ™		
š ›	œ • ž	Ÿ • ž	” ¡ ¢ £ ¤ / • ž
‹ • ¥ ¦	§ ¨ © ª		

« ¬ • -	® ¯ °	± ² ³	´ µ ¥ ¦
¶ “	1.20	g/cm€	ISO 1183
· ¸ ¹ º » ¼(MVR) (300•C/1.2 kg)	21.0	cm€/10min	ISO 1133
½ ¾ ¼ - » ¿ [1]	0.50 À 0.70	%	Á Â ¥ ¦
Ã Ä ¼			ISO 62
ÅÆ, 23•C	0.35	%	ISO 62
Ç È, 23•C, 50% RH	0.15	%	ISO 62

É “	® ¯ °	± ² ³	´ µ ¥ ¦
Ê Ë É “ (H 358/30)	95.0	MPa	ISO 2039-1

Ì Í • -	® ¯ °	± ² ³	´ µ ¥ ¦
Î Ï Ž Ð	2350	MPa	ISO 527-2/1
Î Ï Ñ Ò			ISO 527-2/50
Ó Ô	63.0	MPa	ISO 527-2/50
Õ Ö	65.0	MPa	ISO 527-2/50
Î Ï Ñ ×			ISO 527-2/50
Ó Ô	6.0	%	ISO 527-2/50
Õ Ö	100	%	ISO 527-2/50
Ø Ù Ž Ð [2]	2300	MPa	ISO 178
Ø Ù Ñ Ò	90.0	MPa	ISO 178
Ú Û Ü Ý • (1000 Cycles, 1000 g, CS-17 Þ ß)	10.0	mg	Á Â ¥ ¦

à á • -	® ¯ °	± ² ³	´ µ ¥ ¦
â ã ä å æ à á ç “			
-30•C [3]	12	kJ/m,	ISO 179/1eA
23•C [4]	65	kJ/m,	ISO 179/1eA
23•C	35	kJ/m,	ISO 179/2C
â ã ä è å æ à á ç “ [5]			ISO 179/1eU
-30•C	è Õ Ö		ISO 179/1eU
23•C	è Õ Ö		ISO 179/1eU
é ê ä å æ à á ç “ [6]			ISO 180/1A
-30•C	11	kJ/m,	ISO 180/1A
23•C	65	kJ/m,	ISO 180/1A
è å æ ë ì í à á ç “ [7]			ISO 180/1U
-30•C	è Õ Ö		ISO 180/1U
23•C	è Õ Ö		ISO 180/1U

Î • -	® ¯ °	± ² ³	´ µ ¥ ¦
î × ï ð “ [8]			
0.45 MPa, ñ ò ó, 100 mm ô õ	133	•C	ISO 75-2/Be
1.8 MPa, ñ ò ó, 100 mm ô õ	122	•C	ISO 75-2/Ae
ö ‰ ÷ ¸ ð “			
--	140	•C	ISO 306/B50
--	141	•C	ISO 306/B120
Ball Pressure Test (125•C)	Pass		IEC 60695-10-2
ø ï ù ú û ü - ý þ (23 À 80•C)	7.0E-5	cm/cm/•C	ISO 11359-2

5 î û ü	0.20	W/m/K	ISO 8302
RTI Elec	130	•C	UL 746
RTI Imp	125	•C	UL 746
RTI	125	•C	UL 746
6 7 • -	® ¯ °	± ² ³	´ µ ¥ ¦
8 6 9 ¼	> 1.0E+15	ohms	IEC 60093
¹ º 6 9 ¼	> 1.0E+15	ohms cm	IEC 60093
: 6 ç “			IEC 60243-1
0.800 mm, ; <	35	kV/mm	IEC 60243-1
1.60 mm, ; <	27	kV/mm	IEC 60243-1
3.20 mm, ; <	17	kV/mm	IEC 60243-1
= > 6 ? ¼			IEC 60250
50 Hz	2.70		IEC 60250
60 Hz	2.70		IEC 60250
1 MHz	2.70		IEC 60250
@ A B ü			IEC 60250
50 Hz	1.0E-3		IEC 60250
60 Hz	1.0E-3		IEC 60250
1 MHz	0.010		IEC 60250
” C •	® ¯ °	± ² ³	´ µ ¥ ¦
UL 9 C D E			UL 94
0.700 mm	HB		UL 94
3.00 mm	HB		UL 94
F î G H C I ü (1.00 mm)	850	•C	IEC 60695-2-12
J K L I ü	25	%	ISO 4589-2
M N • -	® ¯ °	± ² ³	´ µ ¥ ¦
O ¨ ¼	1.586		ISO 489
• ¨ ¼ (2540 ƒm)	88.0 À 90.0	%	ASTM D1003
P “ (2540 ƒm)	< 0.80	%	ASTM D1003
§ ¨	® ¯ °	± ² ³	
Q R ð “	120	•C	
Q R S T	2.0 À 4.0	hr	
U V Ä W X Đ	0.020	%	
Y ð “	60.0 À 80.0	•C	
Z [Â ð “	260 À 280	•C	
Z < Â ð “	270 À 290	•C	
Z Â ð “	280 À 300	•C	
¨ \ ð “	270 À 290	•C	
‹ • ( ] ¹) ð “	280 À 300	•C	
Ž ^ ð “	80.0 À 100	•C	

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