

LEXAN € 945 resin

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LEXAN 945 Polycarbonate (PC) resin is a non-filled, injection moldable grade. This non-chlorinated, non-brominated flame retardant PC has an UL-94 V0 rating and is available in various opaque color options. LEXAN 945 is a general purpose resin designed to meet the needs of various applications.

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UL ~ %	E45329-236669		
Š < Ā	• Ž •		
• •	Chlorine Free	’ ’	“ ” • Ž •
’ •	’ ’		
RoHS – —•	RoHS – —		
~ TM	Š > œ	• ’ ž Ÿ	
< i Φ	£ ¤ ¥		
§ “ • ©	^a « ¬	- ® ¯	° ± j Φ
2 3	1.20	g/cm ³	ISO 1183
ˆ μ ¶ · ¸ ¹ (MVR) (300•C/1.2 kg)	10.0	cm ³ /10min	ISO 1133
° » ¹ - ¸ ¼ ¹	0.50 ½ 0.70	%	¾ ¸ i Φ
À Á ¹			ISO 62
Ä Å, 23•C	0.35	%	ISO 62
Ä Å, 23•C, 50% RH	0.15	%	ISO 62
Æ³	^a « ¬	- ® ¯	° ± j Φ
Ç È Æ³ (H 358/30)	95.0	MPa	ISO 2039-1
É Ê • ©	^a « ¬	- ® ¯	° ± j Φ
Ë Ì Í	2350	MPa	ISO 527-2/1
Ë Ì Æ			ISO 527-2/50
Ï Ò	63.0	MPa	ISO 527-2/50
Ó Ô	60.0	MPa	ISO 527-2/50
Ë Ì Õ			ISO 527-2/50
Ï Ò	6.0	%	ISO 527-2/50
Ó Ô	85	%	ISO 527-2/50
Ö × Í Î ²	2300	MPa	ISO 178
Ö × Í Æ	90.0	MPa	ISO 178
Ø Ù • ©	^a « ¬	- ® ¯	° ± j Φ
Ú Û Ü Ý Þ Ø Ù Ò³ ³			ISO 179/1eA
-30•C	14	kJ/m,	ISO 179/1eA
23•C	73	kJ/m,	ISO 179/1eA
Ú Û Ü “ Ý Þ Ø Ù Ò³ ⁴			ISO 179/1eU
-30•C	“ Ó Ô		ISO 179/1eU
23•C	“ Ó Ô		ISO 179/1eU
à á Û Ý Þ Ø Ù Ò³ ⁵			ISO 180/1A
-30•C	12	kJ/m,	ISO 180/1A
23•C	70	kJ/m,	ISO 180/1A
“ Ý Þ à á ä Ø Ù Ò³ ⁶			ISO 180/1U
-30•C	“ Ó Ô		ISO 180/1U
23•C	“ Ó Ô		ISO 180/1U

• ©	« -	- ®	° ± j
0.45 MPa, è é ê, 100 mm è ì	136	•C	ISO 75-2/Be
1.8 MPa, è é ê, 100 mm è ì	125	•C	ISO 75-2/Ae
í %î µç³			
--	141	•C	ISO 306/B50
--	142	•C	ISO 306/B120
Ball Pressure Test (125•C)	Pass		IEC 60695-10-2
ï æã ð ñ ò ó			ISO 11359-2
¼ : 23 ½ 80•C	7.0E-5	cm/cm/•C	ISO 11359-2
õ ö : 23 ½ 80•C	7.0E-5	cm/cm/•C	ISO 11359-2
ö ù ò ó	0.20	W/m/K	ISO 8302
RTI Elec	130	•C	UL 746
RTI Imp	120	•C	UL 746
RTI	125	•C	UL 746
÷ ø • ©	« -	- ®	° ± j
ù ú ÷ • ¹	> 1.0E+15	ohms	IEC 60093
» ÷ • ¹	> 1.0E+15	ohms cm	IEC 60093
ü ÷ ß³ (3.20 mm, ü ý þ)	17	kV/mm	IEC 60243-1
ÿ ÷ ¹			IEC 60250
50 Hz	2.70		IEC 60250
60 Hz	2.70		IEC 60250
1 MHz	2.70		IEC 60250
ó			IEC 60250
50 Hz	1.0E-3		IEC 60250
60 Hz	1.0E-3		IEC 60250
1 MHz	0.010		IEC 60250
÷ ó	225	V	IEC 60112
• Ž •	« -	- ®	° ± j
UL • Ž			UL 94
1.10 mm	V-0		UL 94
3.00 mm	5VA		UL 94
ã Ž ó (1.00 mm)	960	•C	IEC 60695-2-12
ä ê ç³ (1.00 mm)	875	•C	IEC 60695-2-13
ó	35	%	ISO 4589-2
£ ¤	« -	- ®	
ç³	120	•C	
	2.0 ½ 4.0	hr	
Á Î	0.020	%	
ç³	60.0 ½ 80.0	•C	
! " ç³	260 ½ 280	•C	
! þ ç³	270 ½ 290	•C	
! # ç³	280 ½ 310	•C	
¤ \$ ç³	270 ½ 290	•C	
< (%¶) ç³	280 ½ 310	•C	
! & ç³	80.0 ½ 110	•C	
' £			
1.	Tensile Bar		
2.	2.0 mm/min		
3.	80*10*3 sp=62mm		
4.	80*10*3 sp=62mm		
5.	80*10*3		
6.	80*10*3		
7.	120*10*4 mm		