

LEXAN € 945A resin

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LEXAN 945A 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 transparent and tinted color options. LEXAN 945A is a general purpose resin designed to meet the needs of various applications.

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|----------------------------------|---------------|-----------|--------------|
| UL ~ % | E45329-236664 | | |
| Š < Ą | • Ž • | | |
| • • | Chlorine Free | ’ ’ | “ ” • Ž • |
| ’ • | ’ ’ | | |
| RoHS – —• | RoHS – — | | |
| ~ ™ | Š ’ > œ | • Ž /Ÿ | |
| < j € £ | ¤ ¥ § | | |
| “ © • a | « ¬ - | ® - ° | ± ² € £ |
| z ´ | 1.20 | g/cm³ | ISO 1183 |
| µ ¶ · ¸ ¹ º (MVR) (300•C/1.2 kg) | 10.0 | cm³/10min | ISO 1133 |
| » ¼ ° - 1 ½ ¹ | 0.50 ¾ 0.70 | % | ¿ À € £ |
| Á Â ° | | | ISO 62 |
| Ã Ä, 23•C | 0.35 | % | ISO 62 |
| Å Æ, 23•C, 50% RH | 0.15 | % | ISO 62 |
| Ç ´ | « ¬ - | ® - ° | ± ² € £ |
| È É Ç ´ (H 358/30) | 95.0 | MPa | ISO 2039-1 |
| Ê Ë • a | « ¬ - | ® - ° | ± ² € £ |
| Ì Í Î Ï | 2350 | MPa | ISO 527-2/1 |
| Ì Í Ñ | | | ISO 527-2/50 |
| Ò Ó | 63.0 | MPa | ISO 527-2/50 |
| Ô Õ | 65.0 | MPa | ISO 527-2/50 |
| Ì Í Ñ | | | ISO 527-2/50 |
| Ò Ó | 6.0 | % | ISO 527-2/50 |
| Ô Õ | 100 | % | ISO 527-2/50 |
| × Ø Í ² | 2300 | MPa | ISO 178 |
| × Ø Ñ | 90.0 | MPa | ISO 178 |
| Û Ü • a | « ¬ - | ® - ° | ± ² € £ |
| Û Ü Ý Þ ß Ü à ´ ³ | | | ISO 179/1eA |
| -30•C | 14 | kJ/m, | ISO 179/1eA |
| 23•C | 73 | kJ/m, | ISO 179/1eA |
| Û Ü Ý “ Þ ß Ü à ´ ⁴ | | | ISO 179/1eU |
| -30•C | “ Õ Õ | | ISO 179/1eU |
| 23•C | “ Õ Õ | | ISO 179/1eU |
| á â Ý Þ ß Ü à ´ ⁵ | | | ISO 180/1A |
| -30•C | 12 | kJ/m, | ISO 180/1A |
| 23•C | 70 | kJ/m, | ISO 180/1A |
| “ Þ ß ä å à Ü à ´ ⁶ | | | ISO 180/1U |
| -30•C | “ Õ Õ | | ISO 180/1U |
| 23•C | “ Õ Õ | | ISO 180/1U |

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|---|---------------------------------------|------------------|--------------------|
| æ• ^a | « - - | ® ^{- °} | ± ² € £ |
| æÖç è ⁷ | | | |
| 0.45 MPa, é è è, 100 mm ì í | 136 | •C | ISO 75-2/Be |
| 1.8 MPa, é è è, 100 mm ì í | 125 | •C | ISO 75-2/Ae |
| î %î ¶ è ⁷ | | | |
| -- | 141 | •C | ISO 306/B50 |
| -- | 142 | •C | ISO 306/B120 |
| Ball Pressure Test (125•C) | Pass | | IEC 60695-10-2 |
| ðç æñ ò ó ô | | | ISO 11359-2 |
| ¹ / ₂ : 23 ³ / ₄ 80•C | 7.0E-5 | cm/cm/•C | ISO 11359-2 |
| ö ö : 23 ³ / ₄ 80•C | 7.0E-5 | cm/cm/•C | ISO 11359-2 |
| ÷ æó ô | 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 ù • ^a | « - - | ® ^{- °} | ± ² € £ |
| ú û ø • ^o | > 1.0E+15 | ohms | IEC 60093 |
| • ^o ø • ^o | > 1.0E+15 | ohms cm | IEC 60093 |
| ü ø à ⁷ (3.20 mm, ý þ ÿ) | 17 | kV/mm | IEC 60243-1 |
| ø ^o | | | IEC 60250 |
| 50 Hz | 2.70 | | IEC 60250 |
| 60 Hz | 2.70 | | IEC 60250 |
| 1 MHz | 2.70 | | IEC 60250 |
| ö | | | IEC 60250 |
| 50 Hz | 1.0E-3 | | IEC 60250 |
| 60 Hz | 1.0E-3 | | IEC 60250 |
| 1 MHz | 0.010 | | IEC 60250 |
| ø ö (CTI) | PLC 2 | | UL 746 |
| ø ö | 225 | V | IEC 60112 |
| š ž • | « - - | ® ^{- °} | ± ² € £ |
| UL • ž | | | UL 94 |
| 1.50 mm | V-2 | | UL 94 |
| 3.00 mm | V-0 | | UL 94 |
| æ ž ö (1.00 mm) | 960 | •C | IEC 60695-2-12 |
| æ è è ⁷ (1.00 mm) | 850 | •C | IEC 60695-2-13 |
| ö | 35 | % | ISO 4589-2 |
| • ^a | « - - | ® ^{- °} | ± ² € £ |
| ¥ ^o | 1.586 | | ISO 489 |
| ÿ ¥ ^o (2540 fm) | 88.0 | % | ASTM D1003 |
| ¤ ¥ | « - - | ® ^{- °} | |
| è ⁷ | 120 | •C | |
| | 2.0 ³ / ₄ 4.0 | hr | |
| ! " Å# \$İ | 0.020 | % | |
| %&è ⁷ | 60.0 ³ / ₄ 80.0 | •C | |
| %' (Åè ⁷ | 260 ³ / ₄ 280 | •C | |
| %' ý Åè ⁷ | 270 ³ / ₄ 290 | •C | |
| %') Åè ⁷ | 280 ³ / ₄ 310 | •C | |
| ¥* è ⁷ | 270 ³ / ₄ 290 | •C | |
| < j (+•)è ⁷ | 280 ³ / ₄ 310 | •C | |
| Î, è ⁷ | 80.0 ³ / ₄ 110 | •C | |
| - ¤ | | | |
| 1. | Tensile Bar | | |
| 2. | 2.0 mm/min | | |
| 3. | 80*10*3 sp=62mm | | |

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- | | |
|----|-----------------|
| 4. | 80*10*3 sp=62mm |
| 5. | 80*10*3 |
| 6. | 80*10*3 |
| 7. | 120*10*4 mm |
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