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Model 925(GG)  
File Number: E45329



COMPANY

SABIC INNOVATIVE PLASTICS B V  
EUROPE - RESIN  
PLASTICSLAAN 1  
BERGEN OP ZOOM, 4612 PX Netherlands

MODEL INFO

925(GG)  
Polycarbonate (PC) "Lexan", unfilled, furnished as pellets  
(GG) – Denotes a global grade formulation previously in File E161759.  
NOTE – Material designation may be followed by a color nomenclature consisting of either an alpha/numeric or a numeric/alpha combination.

| FLAMMABILITY PROPERTIES               | VALUE  | TEST METHOD     |
|---------------------------------------|--------|-----------------|
| Flammability                          |        | ANSI/UL 94      |
| 0.8 mm, Color: ALL                    | V-2    |                 |
| 1.1 mm, Color: ALL                    | V-0    |                 |
| 1.5 mm, Color: ALL                    | V-0    |                 |
| 3.0 mm, Color: ALL                    | V-0    |                 |
| ISO/IEC FLAMMABILITY PROPERTIES       | VALUE  | TEST METHOD     |
| Flammability                          |        | IEC 60695-11-10 |
| 0.8 mm, Color: ALL                    | V-2    |                 |
| 1.1 mm, Color: ALL                    | V-0    |                 |
| 1.5 mm, Color: ALL                    | V-0    |                 |
| 3.0 mm, Color: ALL                    | V-0    |                 |
| Glow Wire Ignition Temperature (GWIT) |        | IEC 60695-2-13  |
| 0.8 mm                                | 800 °C |                 |

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|                                          |        |                                     |
|------------------------------------------|--------|-------------------------------------|
| 5.0 mm                                   | 850 °C |                                     |
| Glow Wire Flammability Index (GWFI)      |        | IEC 60695-2-12                      |
| 0.8 mm                                   | 825 °C |                                     |
| 1.1 mm                                   | 825 °C |                                     |
| 1.5 mm                                   | 960 °C |                                     |
| 3.0 mm                                   | 960 °C |                                     |
| <b>ELECTRICAL PROPERTIES</b>             |        |                                     |
| Hot-wire Ignition (HWI)                  |        | UL 746A                             |
| 0.8 mm                                   | PLC 3  |                                     |
| 1.1 mm                                   | PLC 3  |                                     |
| 1.5 mm                                   | PLC 3  |                                     |
| 3.0 mm                                   | PLC 2  |                                     |
| High Amp Arc Ignition (HAI)              |        | UL 746A                             |
| 0.8 mm                                   | PLC 4  |                                     |
| 1.1 mm                                   | PLC 4  |                                     |
| 1.5 mm                                   | PLC 3  |                                     |
| 3.0 mm                                   | PLC 3  |                                     |
| Comparative Tracking Index (CTI)         |        | PLC 2 UL 746A                       |
| Dielectric Strength                      |        | 33 kV/mm ASTM D149                  |
| High Voltage Arc Tracking Rate (HVTR)    |        | PLC 4                               |
| Volume Resistivity                       |        | 1.0E+15 ohms-cm ASTM D257/IEC 60093 |
| High Voltage, Low Current Arc Resistance |        | PLC 7                               |

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|                                              |        |         |
|----------------------------------------------|--------|---------|
| Relative Thermal Index - Electrical Strength |        | UL 746B |
| 0.8 mm                                       | 130 °C |         |
| 1.1 mm                                       | 130 °C |         |

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| Relative Thermal Index - Mechanical Impact   |        | UL 746B             |
|----------------------------------------------|--------|---------------------|
| 0.8 mm                                       | 120 °C |                     |
| 1.1 mm                                       | 120 °C |                     |
| 1.5 mm                                       | 120 °C |                     |
| 3.0 mm                                       | 120 °C |                     |
| Relative Thermal Index - Mechanical Strength |        | UL 746B             |
| 0.8 mm                                       | 125 °C |                     |
| 1.1 mm                                       | 125 °C |                     |
| 1.5 mm                                       | 125 °C |                     |
| 3.0 mm                                       | 130 °C |                     |
| Ball Pressure Temperature                    |        | 125 °C              |
| PHYSICAL PROPERTIES                          | VALUE  | TEST METHOD         |
| Dimensional Change                           | 0.0 %  | ASTM D1042/ISO 2796 |

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