



Mr. Pat McEvoy  
 Rotuba Extruders  
 1401 Park Avenue South.  
 Linden, NJ 07036-1694

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Test data for ACRYLITE Materials

Dear Mr. McEvoy,

You asked for test data on our ACRYLITE acrylic polymers. Below is a more detailed listing

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|   |  | ACRYLITE acrylic extrusion grade   |   |
|---|--|--|---|
| 1 | Flame Spread Index.<br>Requirement = < 250<br>CAN4- S102.2   | 175<br>(Average of three thicknesses<br>0.080" 3mm, and 6mm)                             | Underwriters<br>Laboratories of Canada<br>File# CR1358              |
| 2 | Smoke Developed<br>Requirement < 600<br>Can4 - S102.2  | 300<br>(Average of three thicknesses<br>0.080" 3mm, and 6mm)                             | Underwriters<br>Laboratories of Canada<br>File# CR1358              |
| 3 | Self-ignition temperature<br>greater than 650 Deg F (tested<br>to ASTM D 1929).  | Flash ignition temp. = 990 °F<br>Self ignition temp. = 750 °F                            | SGS Report # 130618-10  |
| 4 | Smoke density <75 (tested to<br>ASTM D 2843)   | 3.7 %  | SGS Report # 130618-27  |
| 5 | Burn rate <2.5 inch/minute<br>(Tested to ASTM D635)  | 0.59 inches/minute   | SGS Report # 130618-11  |
| 6 | The lenses when freely mounted<br>will fall from their mounting 200<br>deg F below it's ignition<br>temperature (tested to ASTM D<br>1929) | Self Ignition is 750 F and<br>Lenses will be molten at 450<br>°F therefore will fall out | Glass Transition<br>temperature (from solid<br>to liquid) is 227 °F |

We hope that is helpful. If you have any questions, please call me.

Sincerely yours,

Robert D. Shiely  
 Technical Service Manager

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## Performance Polymers

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