

# Witcom POM-C 2005/130

Acetal (POM) Copolymer

Witcom Engineering Plastics B.V.

## Message:

Witcom POM-C 2005/130 is an Acetal (POM) Copolymer product. It is available in Europe.

Characteristics include:

Flame Rated

Copolymer

Lubricated

| General Information                               |               |                   |             |
|---------------------------------------------------|---------------|-------------------|-------------|
| Additive                                          | Lubricant     |                   |             |
| Features                                          | Copolymer     |                   |             |
|                                                   | Lubricated    |                   |             |
| Physical                                          | Nominal Value | Unit              | Test Method |
| Density                                           | 1.37          | g/cm <sup>3</sup> | ISO 1183    |
| Molding Shrinkage - Flow (3.00 mm)                | 2.0 to 3.0    | %                 | ISO 2577    |
| Water Absorption                                  |               |                   | ISO 62      |
| Saturation, 23°C                                  | 1.0           | %                 |             |
| Equilibrium, 23°C, 50% RH                         | 0.20          | %                 |             |
| Mechanical                                        | Nominal Value | Unit              | Test Method |
| Tensile Stress (Yield)                            | < 46.0        | MPa               | ISO 527-2   |
| Tensile Strain (Break)                            | > 8.0         | %                 | ISO 527-2   |
| Flexural Modulus                                  | 2300          | MPa               | ISO 178     |
| Flexural Stress                                   | 58.0          | MPa               | ISO 178     |
| Impact                                            | Nominal Value | Unit              | Test Method |
| Notched Izod Impact Strength                      | 4.9           | kJ/m <sup>2</sup> | ISO 180/1A  |
| Unnotched Izod Impact Strength                    | 30            | kJ/m <sup>2</sup> | ISO 180/1U  |
| Thermal                                           | Nominal Value | Unit              | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 105           | °C                | ISO 75-2/A  |
| CLTE - Flow                                       | 1.1E-4        | cm/cm/°C          | ISO 11359-2 |
| RTI Imp (3.00 mm)                                 | 90.0          | °C                | UL 746      |
| Electrical                                        | Nominal Value | Unit              | Test Method |
| Surface Resistivity                               | 1.0E+14       | ohms              | ASTM D257   |
| Volume Resistivity                                | 1.0E+15       | ohms · cm         | ASTM D257   |
| Comparative Tracking Index                        | 600           | V                 | IEC 60112   |
| Flammability                                      | Nominal Value | Unit              | Test Method |
| Flame Rating (3.00 mm)                            | HB            |                   | ISO 1210    |

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