

## Technical Data Sheet

**Accucomp ACE092L**

Acetal (POM) Copolymer  
LyondellBasell Industries  
Engineering Plastics

**General**

|                 |                      |
|-----------------|----------------------|
| Material Status | • Commercial: Active |
| Availability    | • North America      |
| Features        | • Medium Viscosity   |
| Forms           | • Pellets            |

| Physical                                  | Nominal Value (English) | Nominal Value (SI)     | Test Method |
|-------------------------------------------|-------------------------|------------------------|-------------|
| Density / Specific Gravity                | 1.41                    | 1.41 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 9.0 g/10 min            | 9.0 g/10 min           | ASTM D1238  |
| Mechanical                                | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Tensile Strength (Yield)                  | 8990 psi                | 62.0 MPa               | ASTM D638   |
| Tensile Elongation (Break)                | 60 %                    | 60 %                   | ASTM D638   |
| Flexural Modulus                          | 384000 psi              | 2650 MPa               | ASTM D790   |
| Flexural Strength                         | 13300 psi               | 92.0 MPa               | ASTM D790   |
| Impact                                    | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Notched Izod Impact                       | 1.2 ft·lb/in            | 65 J/m                 | ASTM D256   |
| Hardness                                  | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Rockwell Hardness (R-Scale)               | 80                      | 80                     | ASTM D785   |
| Thermal                                   | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Deflection Temperature Under Load         |                         |                        | ASTM D648   |
| 66 psi (0.45 MPa), Unannealed             | 316 °F                  | 158 °C                 |             |
| 264 psi (1.8 MPa), Unannealed             | 230 °F                  | 110 °C                 |             |
| Melting Temperature                       | 329 °F                  | 165 °C                 |             |

**Notes**

These are typical property values not to be construed as specification limits.

**Processing Techniques**

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

**Product Storage and Handling**

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

**Company Information**

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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