

# Hostacom ETA5081

Thermoplastic Polyolefin Elastomer

LyondellBasell Industries

## Message:

Hostacom ETA5081 low melt flow, 490 MPa flexural modulus, blow molding grade thermoplastic elastomeric olefin (TEO) resin combines good processability with balanced strength, toughness and flexibility. It was designed for various under-the-hood applications.

| General Information                       |  |                   |                        |
|---|--|-------------------|------------------------|
| Features                                  | Ductile<br>Good Flexibility<br>Good Processability<br>High Impact Resistance<br>Low Flow |                   |                        |
| Uses                                      | Automotive Applications<br>Automotive Under the Hood<br>Blow Molding Applications        |                   |                        |
| Forms                                     | Pellets  |                   |                        |
| Processing Method                         | Extrusion Blow Molding   |                   |                        |
| Physical                                  | Nominal Value  | Unit              | Test Method            |
| Density                                   | 0.900  | g/cm <sup>3</sup> | ISO 1183               |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 1.0  | g/10 min          | ASTM D1238, ISO 1133   |
| Mechanical                                | Nominal Value  | Unit              | Test Method            |
| Tensile Stress (Yield)                    | 16.0   | MPa               | ISO 527-2              |
| Tensile Strain (Yield)                    | 15   | %                 | ISO 527-2              |
| Flexural Modulus                          | 490  | MPa               | ISO 178                |
| Impact                                    | Nominal Value  | Unit              | Test Method            |
| Notched Izod Impact Strength (23°C)       | 60   | kJ/m <sup>2</sup> | ISO 180                |
| Thermal                                   | Nominal Value  | Unit              | Test Method            |
| CLTE - Flow (-30 to 100°C)                | 1.0E-4   | cm/cm/°C          | ASTM E228, ISO 11359-2 |

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