

## Technical Data Sheet

### Hifax EP3080



Polypropylene, Impact Copolymer

#### Product Description

Hifax EP3080 is non-filled polypropylene copolymer for injection molding with very high impact strength. The grade features improved processability. The grade is natural, in pellet form.

Hifax EP3080 is currently used by customers for the production of painted bumpers for automotive.

#### Regulatory Status

For regulatory compliance information, see Hifax EP3080 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|                   |                                |
|-------------------|--------------------------------|
| Status            | Commercial: Active             |
| Availability      | Africa-Middle East; Europe     |
| Application       | Bumpers                        |
| Market            | Automotive                     |
| Processing Method | Compounding; Injection Molding |
| Attribute         | High Impact Resistance         |

| Typical Properties                                    | Nominal Value | Units             | Test Method   |
|-------------------------------------------------------|---------------|-------------------|---------------|
| <b>Physical</b>                                       |               |                   |               |
| Melt Flow Rate, (230 °C/2.16 kg)                      | 7.5           | g/10 min          | ISO 1133-1    |
| Density, (23 °C, Method A)                            | 0.89          | g/cm <sup>3</sup> | ISO 1183-1    |
| <b>Mechanical</b>                                     |               |                   |               |
| Flexural Modulus                                      | 950           | MPa               | ISO 178       |
| Tensile Stress at Break                               | 15            | MPa               | ISO 527-1, -2 |
| Tensile Stress at Yield                               | 17            | MPa               | ISO 527-1, -2 |
| Tensile Strain at Break                               | 500           | %                 | ISO 527-1, -2 |
| Tensile Strain at Yield                               | 6             | %                 | ISO 527-1, -2 |
| <b>Impact</b>                                         |               |                   |               |
| Charpy Impact Strength - Notched                      |               |                   |               |
| (23 °C)                                               | 65            | kJ/m <sup>2</sup> | ISO 179       |
| (-20 °C)                                              | 15            | kJ/m <sup>2</sup> | ISO 179       |
| (-30 °C)                                              | 10            | kJ/m <sup>2</sup> | ISO 179       |
| <b>Thermal</b>                                        |               |                   |               |
| Vicat Softening Temperature, (A50)                    | 135           | °C                | ISO 306       |
| Heat Deflection Temperature B, (0.45 MPa, Unannealed) | 80            | °C                | ISO 75B-1, -2 |
| DSC Melting Point                                     | 163           | °C                | ISO 11357-3   |

#### Notes

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