

## Hifax DRL 781P

### Compounded Polyolefin

#### Product Description

Hifax DRL 781P medium high melt flow, 900 MPa flexural modulus, UV-stabilized, mineral-filled thermoplastic elastomeric olefin (TEO) resin has a very good combination of properties, processability, and weatherability. It was designed for a variety of automotive exterior ornamentation applications.

#### Product Characteristics

|                               |                                                                                                                        |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Test Method used              | ISO                                                                                                                    |
| Processing Methods            | Injection Molding                                                                                                      |
| Features                      | Good Dimensional Stability, Good Impact Resistance ,<br>Scratch Resistant, Good Stiffness , Good Weather<br>Resistance |
| Typical Customer Applications | Exterior Applications                                                                                                  |

| Typical Properties                                         | Method        | Value | Unit              |
|------------------------------------------------------------|---------------|-------|-------------------|
| <b>Physical</b>                                            |               |       |                   |
| Density                                                    | ISO 1183      | 0.94  | g/cm <sup>3</sup> |
| Melt flow rate (MFR) (230°C/2.16Kg)                        | ISO 1133      | 15    | g/10 min          |
| Note: Alternative test method is ASTM D 1238-01.           |               |       |                   |
| <b>Mechanical</b>                                          |               |       |                   |
| Tensile Stress at Yield                                    | ISO 527-1, -2 | 18    | MPa               |
| Tensile Strain at Yield                                    | ISO 527-1, -2 | 11    | %                 |
| Flexural modulus                                           | ISO 178       | 900   | MPa               |
| <b>Impact</b>                                              |               |       |                   |
| Notched izod impact strength                               | ISO 180       |       |                   |
| (23 °C)                                                    |               | 28    | kJ/m <sup>2</sup> |
| (-40 °C)                                                   |               | 3.5   | kJ/m <sup>2</sup> |
| <b>Thermal</b>                                             |               |       |                   |
| Heat deflection temperature A (1.80 MPa) Unannealed        | ISO 75A-1, -2 | 48    | °C                |
| <b>Additional Information</b>                              |               |       |                   |
| Mold shrinkage                                             | ISO 294-4     |       |                   |
| Note: Please contact Basell for shrinkage recommendations. |               |       |                   |

#### Notes

Typical properties; not to be construed as specifications.

