

## Technical Data Sheet

### *Dexflex* D45 BLK AP



Polypropylene Compounds

#### Product Description

*Dexflex* D45 BLK AP is a thermoplastic olefinic elastomer (TPO) that is typically used for automotive exterior applications that require excellent low-temperature properties and excellent weatherability.

**Application** Automotive Parts; Exterior Automotive Applications

**Market** Automotive

**Processing Method** Injection Molding

| Typical Properties                                           | Nominal Value | Units             | Test Method   |
|--------------------------------------------------------------|---------------|-------------------|---------------|
| <b>Physical</b>                                              |               |                   |               |
| Melt Flow Rate, (230 °C/2.16 kg)                             | 13.0          | g/10 min          | ISO 1133-1    |
| Density, (23 °C)                                             | 0.92          | g/cm <sup>3</sup> | ISO 1183-1    |
| <b>Mechanical</b>                                            |               |                   |               |
| Flexural Modulus, (23 °C, 2 mm/min)                          | 1150          | MPa               | ISO 178       |
| Tensile Stress at Yield, (23 °C, 50 mm/min)                  | 22            | MPa               | ISO 527-1, -2 |
| <b>Impact</b>                                                |               |                   |               |
| Multi-axial Impact Strength, (23° C, 2.2 m/s, 3.2 mm plaque) | 20            | J                 | ASTM D3763    |
| <b>Additional Information</b>                                |               |                   |               |
| Mold Shrinkage                                               |               |                   | ISO 294-4     |
| Please contact LyondellBasell for shrinkage recommendations. |               |                   |               |