

## Technical Data Sheet

### Hifax TYC576P C2 BLACK

Polypropylene Compounds



#### Product Description

Hifax TYC 576P C2 is a high flow, high impact copolymer polypropylene especially designed for injection moulding large, thin wall parts. This grade has good dimensional stability, painting ability and UV stability. This grade can be used for automotive exterior parts, such as bumper. This grade is black, pellet form.

|                   |                                                                                       |
|-------------------|---------------------------------------------------------------------------------------|
| Application       | Automotive Parts; Exterior Automotive Applications                                    |
| Market            | Automotive                                                                            |
| Processing Method | Injection Molding                                                                     |
| Attribute         | Good Processability; Good UV Resistance; High Flow; Low Temperature Impact Resistance |

| Typical Properties                                        | Nominal Value | Units             | Test Method   |
|-----------------------------------------------------------|---------------|-------------------|---------------|
| <b>Physical</b>                                           |               |                   |               |
| Melt Flow Rate, (230 °C/2.16 kg)                          | 32            | g/10 min          | ISO 1133-1    |
| Density, (23 °C)                                          | 1.04          | g/cm <sup>3</sup> | ISO 1183-1/A  |
| <b>Mechanical</b>                                         |               |                   |               |
| Flexural Modulus, (23 °C, Tech. A)                        | 1950          | MPa               | ISO 178/A1    |
| Tensile Stress at Yield, (23 °C)                          | 19            | MPa               | ISO 527-1, -2 |
| <b>Impact</b>                                             |               |                   |               |
| Notched Izod Impact Strength                              |               |                   |               |
| (23 °C)                                                   | 30            | kJ/m <sup>2</sup> | ISO 180       |
| (-30 °C)                                                  | 4.5           | kJ/m <sup>2</sup> | ISO 180       |
| <b>Thermal</b>                                            |               |                   |               |
| Deflection Temperature Under Load, (0.45 MPa, Unannealed) | 105           | °C                | ISO 75B-1, -2 |

