# PULSE™ EXT 200 EU
## PC/ABS Engineering Resin

## Overview

Overview

PULSE™ EXT 200 EU engineering resin is especially designed for automotive interior applications, which are chrome plated. It is a High Heat/High Impact PC/ABS resin for injection moulded automotive plating and painting trim applications.

Benefits

- Excellent processability
- High heat resistance
- Excellent ductility at 23°C and at low temperatures

Applications

- Chrome plated Automotive interior and exterior injection moulded parts and trims

| Physical | Nominal Value | (English) | Nominal Value | (SI) | Test Method |
|---|---|---|---|---|---|
| Density | 1.10 | g/cm³ | 1.10 | g/cm³ | ISO 1183 |
| Apparent (Bulk) Density | 0.64 | g/cm³ | 0.64 | g/cm³ | ISO 60 |
| Melt Mass-Flow Rate (MFR) (260°C/5.0 kg) | 13 | g/10 min | 13 | g/10 min | ISO 1133 |
| Spiral Flow [1] | 20.5 | in | 52.0 | cm | |
| Molding Shrinkage | 4.0E-3 to 7.0E-3 | in/in | 0.40 to 0.70 | % | ISO 294-4 |
| VOC Content | 35.0 | µg/g | 35.0 | µg/g | VDA 277 |
| **Mechanical** | **Nominal Value** | **(English)** | **Nominal Value** | **(SI)** | **Test Method** |
| Tensile Modulus | 305000 | psi | 2100 | MPa | ISO 527-1/1 |
| Tensile Stress (Yield) | 6380 | psi | 44.0 | MPa | ISO 527-2/50 |
| Tensile Strain (Break) | 100 | % | 100 | % | ISO 527-2/50 |
| Flexural Modulus [2] | 305000 | psi | 2100 | MPa | ISO 178 |
| Flexural Stress [2] | 10400 | psi | 72.0 | MPa | ISO 178 |
| **Impact** | **Nominal Value** | **(English)** | **Nominal Value** | **(SI)** | **Test Method** |
| Charpy Notched Impact Strength | | | | | ISO 179/1eA |
| -22°F (-30°C) | 21 | ft·lb/in² | 45 | kJ/m² | |
| 73°F (23°C) | 21 | ft·lb/in² | 45 | kJ/m² | |
| **Thermal** | **Nominal Value** | **(English)** | **Nominal Value** | **(SI)** | **Test Method** |
| Vicat Softening Temperature | 235 | °F | 113 | °C | ISO 306/B50 |
| CLTE - Flow (-22 to 176°F (-30 to 80°C)) | 4.2E-5 to 4.4E-5 | in/in/°F | 7.5E-5 to 8.0E-5 | cm/cm/°C | ISO 11359-2 |

| Injection | Nominal Value | (English) | Nominal Value | (SI) |
|---|---|---|---|---|
| Drying Temperature | 212 | °F | 100 | °C |
| Drying Time | 4.0 | hr | 4.0 | hr |
| Processing (Melt) Temp | 491 to 536 | °F | 255 to 280 | °C |
| Mold Temperature | 140 to 176 | °F | 60 to 80 | °C |