Celanese
The chemistry inside innovation™

# POLIFOR® C15 BIANCO 0071 SR - PP

Experimental Grade. Please contact your Celanese representative for further information.

## Description

Polypropylene, copolymer, high scratch resistance

| Physical properties | Value | Unit | Test Standard |
|---|---|---|---|
| Density | **915** | kg/m³ | ISO 1183 |
| Melt flow rate, MFR | **14** | g/10min | ISO 1133 |
| MFR temperature | **230** | °C | ISO 1133 |
| MFR load | **2.16** | kg | ISO 1133 |

| Mechanical properties | Value | Unit | Test Standard |
|---|---|---|---|
| Tensile modulus | **1250** | MPa | ISO 527-2/1A |
| Tensile stress at yield, 50mm/min | **25** | MPa | ISO 527-2/1A |
| Tensile strain at yield, 50mm/min | **6** | % | ISO 527-2/1A |
| Tensile strain at break, 50mm/min | **>300** | % | ISO 527-2/1A |
| Flexural modulus, 23°C | **1250** | MPa | ISO 178 |
| Flexural strength, 23°C | **30** | MPa | ISO 178 |
| Charpy impact strength, 23°C | **>100** | kJ/m² | ISO 179/1eU |
| Charpy impact strength, -30°C | **>80** | kJ/m² | ISO 179/1eU |
| Charpy notched impact strength, 23°C | **7** | kJ/m² | ISO 179/1eA |
| Charpy notched impact strength, -30°C | **4** | kJ/m² | ISO 179/1eA |

| Thermal properties | Value | Unit | Test Standard |
|---|---|---|---|
| Vicat softening temperature, 50°C/h 50N | **72** | °C | ISO 306 |

## Typical injection moulding processing conditions

| Pre Drying | Value | Unit | Test Standard |
|---|---|---|---|
| Drying time | **2 - 3** | h | - |
| Drying temperature | **80 - 100** | °C | - |
| **Temperature** | **Value** | **Unit** | **Test Standard** |
| Zone1 temperature | **190 - 210** | °C | - |
| Zone2 temperature | **210 - 230** | °C | - |
| Zone3 temperature | **220 - 240** | °C | - |
| Nozzle temperature | **230 - 250** | °C | - |
| Mold temperature | **30 - 60** | °C | - |

## Other text information

### Longer pre-drying times/storage

This product should be stored in a covered facility and kept away from moisture and heat.

## Characteristics

| Product Categories | Processing |
|---|---|
| Unfilled | Injection molding |