# ESTAPROP H 0580 GFC

Polypropylene Homopolymer

Cossa Polimeri S.r.l.

## Message:

ESTAPROP H 0580 GFC is a Polypropylene Homopolymer (PP Homopolymer) product filled with 40% glass fiber. It is available in Europe. Applications of ESTAPROP H 0580 GFC include automotive and fabrics/fibers.
Characteristics include:
Flame Rated
Chemically Coupled
High Stiffness
Impact Resistant

| General Information | | | |
|---|---|---|---|
| Filler / Reinforcement | Glass Fiber,40% Filler by Weight | | |
| Features | Chemically Coupled | | |
| | High Impact Resistance | | |
| | High Stiffness | | |
| Uses | Automotive Applications | | |
| | Textile Applications | | |
| Forms | Pellets | | |

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Specific Gravity | 1.18 | g/cm³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 3.0 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 0.20 to 0.40 | % | ASTM D955 |

| Mechanical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Tensile Modulus | 8200 | MPa | ASTM D638 |
| Tensile Strength (Break) | 100 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 3.0 | % | ASTM D638 |
| Flexural Modulus | 7500 | MPa | ASTM D790 |
| Flexural Strain at Break | 140 | % | ASTM D790 |

| Impact | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Notched Izod Impact | | | ASTM D256 |
| -20°C | 100 | J/m | |
| 0°C | 110 | J/m | |
| 23°C | 130 | J/m | |

| Thermal | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 150 | °C | ASTM D648 |
| Vicat Softening Temperature | 140 | °C | ASTM D1525 [1] |

| Flammability | Nominal Value | | Test Method |
|---|---|---|---|

| Flame Rating | | UL 94 |
|---|---|---|
| 1.60 mm | HB | |
| 3.20 mm | HB | |
| NOTE | | |
| 1. | Rate A (50°C/h), Loading 2 (50 N) | |

## Recommended distributors for this material

# Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

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