

# DINAPLEN® PPH1S04 G20

Polypropylene Homopolymer

Grupo Repol

Message:

DINAPLEN® PPH1S04 G20 is a Polypropylene Homopolymer (PP Homopolymer) product filled with 20% glass fiber. It is available in Europe. Primary characteristic: homopolymer.

| General Information                               |                                  |                   |             |
|---------------------------------------------------|----------------------------------|-------------------|-------------|
| Filler / Reinforcement                            | Glass Fiber,20% Filler by Weight |                   |             |
| Features                                          | Homopolymer                      |                   |             |
| Appearance                                        | Natural Color                    |                   |             |
| Forms                                             | Pellets                          |                   |             |
| Physical                                          | Nominal Value                    | Unit              | Test Method |
| Density                                           | 1.03                             | g/cm <sup>3</sup> | ISO 1183/A  |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)         | 4.0                              | g/10 min          | ISO 1133    |
| Mechanical                                        | Nominal Value                    | Unit              | Test Method |
| Tensile Modulus                                   | 4000                             | MPa               | ISO 527-2   |
| Tensile Stress (Break)                            | 70.0                             | MPa               | ISO 527-2   |
| Tensile Strain (Yield)                            | 4.0                              | %                 | ISO 527-2   |
| Flexural Modulus                                  | 2900                             | MPa               | ISO 178     |
| Flexural Stress                                   | 85.0                             | MPa               | ISO 178     |
| Impact                                            | Nominal Value                    | Unit              | Test Method |
| Charpy Notched Impact Strength (23°C)             | 9.0                              | kJ/m <sup>2</sup> | ISO 179/1eA |
| Charpy Unnotched Impact Strength (23°C)           | 45                               | kJ/m <sup>2</sup> | ISO 179/1eU |
| Thermal                                           | Nominal Value                    | Unit              | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 145                              | °C                | ISO 75-2/A  |

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### 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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