



## TECHNICAL DATA SHEET [TDS]

**PP Dinaplen**

**REFERENCE: PPC1S30 XV2-0192**

### PRODUCT DESCRIPTION

PP Copolymer Dinaplen, V2 Halogenated, Natural, NF P 92-507- M2

| PROPERTIES                                | UNITS             | METHOD             | VALUE D.A.M |
|-------------------------------------------|-------------------|--------------------|-------------|
| <b>Physical</b>                           |                   |                    |             |
| Relative density                          | g/cm <sup>3</sup> | ISO 1183           | 0,95        |
| <b>Mechanical</b>                         |                   |                    |             |
| Tensile modulus (1 mm/min)                | MPa               | ISO 527            | 1400        |
| Stress at yield (50 mm/min)               | MPa               | ISO 527            | 23          |
| Strain at yield                           | %                 | ISO 527            | 21          |
| Flexural strength (2 mm/min)              | MPa               | ISO 178            | 31          |
| Charpy notched impact strength (23°C)     | kJ/m <sup>2</sup> | ISO 179/1eA        | 9           |
| Charpy unnotched impact strength (23°C)   | kJ/m <sup>2</sup> | ISO 179/1eU        | NB          |
| <b>Rheological</b>                        |                   |                    |             |
| Melt flow index M.F.I. (230°C, 2.16 kg)   | g/10 min          | ISO 1133           | 24          |
| <b>Thermal</b>                            |                   |                    |             |
| Heat deflection temperature HDT (1.80MPa) | °C                | ISO 75-A           | 55          |
| Flammability classification (1.6mm)       | V0-V1-V2-HB       | UL 94              | V2          |
| Fire-resistant (3mm) UNE/NF               | M1-M2-M3-M4       | EN23727 / NFP92-50 | M2          |
| <b>Processing</b>                         |                   |                    |             |
| Melt temperature range                    | °C                | -                  | 175 - 210   |
| Recommended mould temperature             | °C                | -                  | 10 - 40     |

### UPDATE DATE

feb.-2017

The data submitted here are, to the best of Grupo Repol's knowledge, representative of the range of properties for the listed products, but should not be used to establish process limits or used as the direct basis of design. Colorants or other additives may alter these properties. The data are given for natural grade unless otherwise specified.

