

## ISPLEN® PP084D2M

ISPLEN® PP 084 D2M is a polypropylene homopolymer of high fluidity for injection moulding. It is specifically intended for applications that require end articles with very low surface friction. The grade is characterised by excellent flow properties that facilitates an easy mould filling as well as a quick release from the mould. Articles produced with this grade have good physical properties, excellent chemical resistance and easy printability.

### TYPICAL APPLICATIONS

ISPLEN® PP 084 D2M has been specifically designed for the production of articles that need short cycles times, easy handling and low resistance during manipulation in automatic or robotized production lines, such us:

- Caps and closures
- Screw caps
- Components for spray dispensers.
- Pistons for one use syringes, needle covers and other lab equipment (tubes, pipettes...).
- Garden furniture.

Recommended melt temperature range from 190 to 250°C. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNIT	TEST METHOD
<b>General</b>			
Melt Flow Rate (230 °C; 2.16 kg)	20	g/10 min	ISO 1133
Density	905	kg/m <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Flexural Modulus	1600	MPa	ISO 178
Charpy Impact Strength Notched 23 °C	3	kJ/m <sup>2</sup>	ISO 179
<b>Thermal</b>			
Heat Deflection Temperature 0.45MPa	85	°C	ISO 75
<b>Others</b>			
Shore Hardness	72	D Scale	ISO 868

ISPLEN® PP 084 D2M complies with the European Directives regarding materials intended for contact with foodstuffs. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

### STORAGE

ISPLEN® PP 084 D2M should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 60°C and protected from UV radiation. Storage under inappropriate conditions could initiate degradation processes which may have a negative influence on the processability and the properties of the transformed product.

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