

## Technical data sheet

## Chemicals



# PP REPSOL ISPLEN PB170G2M

REPSOL ISPLEN PB170G2M is a medium-high fluidity heterophasic copolymer characterised by its good balance of properties. Its molecular structure determines low viscosity and very good flow that permits to fill complex or large moulds with long flow paths obtaining short cycle times and an excellent balance of impact strength and high stiffness to allow the manufacturing of thin-walled articles with good mechanical resistance.

### Applications

The particular characteristics of REPSOL ISPLEN PB170G2M offer a multi-purpose grade intended for use in applications in which high mechanical properties are appreciated in addition with good processability:

- Domestic and leisure furniture.
- Square boxes and round storage containers for consumer appliances.
- Lids, caps and closures.
- Industrial components: toys, sports, leisure, automotive, storage organizers, packaging...

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

PROPERTIES	VALUE	UNIT	MÉTHOD
<b>General</b>			
Melt flow rate (230°C/ 2,16 kg)	12	g/10 min	ISO 1133
Density at 23°C	905	kg/m <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Flexural modulus of elasticity	1.200	MPa	ISO 178
Charpy impact strength (23°C,notched)	8	kJ/m <sup>2</sup>	ISO 179
<b>Thermal</b>			
HDT 0,45 MPa	85	°C	ISO 75
<b>Others</b>			
Shore Hardness	62	-	ISO 868

REPSOL ISPLEN PB170G2M complies with the European Directives regarding materials intended for contact with foodstuffs. The product mentioned herein is not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

**Storage**

REPSOL ISPLEN PB170G2M 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 or undesired migration of additives included in its formulation which may have a negative influence on the processability and properties of the transformed product.

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