



ISPLEN® PR599C2M

ISPLEN® PR599C2M is a polypropylene random copolymer with very high fluidity intended for injection moulding. It is remarkable the excellent transparency and good yellowness index, as well as the improved organoleptic properties and its high melt flow index. This permits very short cycle times for manufacturing thin wall articles.

It is clarified and contains antistatic additives that reduce the presence of dust during storage. These additives also facilitate article release from the mould.

TYPICAL APPLICATIONS

ISPLEN® PR599C2M is particularly intended for applications in which excellent transparency, short cycle time and good organoleptic properties are required:

- Houseware containers (square and cylindrical shape).
- Transparent boxes and crates for domestic and professional storage.
- Thin wall containers for foodstuffs: yoghurt, dairy products, fast food, candies, sauces...
- Technical appliances: furniture, toys, kitchen equipment...

Recommended melt temperature range from 190 to 250°C. Processing conditions should be optimised for each production line. Physical blends with other materials might cause incompatibilities.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
Melt Flow Rate (230 °C; 2.16 kg)	75	g/10 min	ISO 1133
Density	905	kg/m ³	ISO 1183
Mechanical			
Flexural Modulus	1.050	MPa	ISO 178
Charpy Impact Strength Notched 23 °C	6	kJ/m ²	ISO 179
Thermal			
Heat Deflection Temperature 0.45MPa	70	°C	ISO 75

ISPLEN® PR599C2M 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® PR599C2M 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.

March 2012