

ISPLEN® PR 295 C1M

Polypropylene Random Copolymer
REPSOL

Message:

ISPLEN® PR 295 C1M is a polypropylene random copolymer with a very high fluidity intended for injection moulding of transparent thin walled articles. It is characterised by good flow properties that facilitates an easy mould filling and very short cycle times. Due to the specific crystalline structure it exhibits a high toughness at ambient temperatures and high dimensional stability.

The resin exhibits an excellent balance of properties: clarity, stiffness, impact strength and processability

TYPICAL APPLICATIONS

ISPLEN® PR 295 C1M is widely applied for the high speed production of thin-walled articles such as:

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 210 to 250°C. Processing conditions should be optimised for each production line.

General Information			
Features	Crystalline		
	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Impact Resistance		
	Good Moldability		
	Good Processability		
	Good Stiffness		
	High Clarity		
	High Flow		
	Ultra High Toughness		
Uses	Containers		
	Crates		
	Food Containers		
	Furniture		
	Household Goods		
	Thin-walled Containers		
	Thin-walled Parts		
	Toys		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	45	g/10 min	ISO 1133

Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1050	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	70.0	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Processing (Melt) Temp	210 to 250	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

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

