

ISPLEN® PP 099 X2M

Polypropylene Homopolymer
REPSOL

Message:

ISPLEN® PP 099 X2M is a very high fluidity homopolymer polypropylene designed for special optical requirements for injection moulding applications achieving very similar optical properties than a PP random. Due to its structure and additive package, ISPLEN® PP 099 X2M offers good transparency, excellent gloss and high stiffness. In addition, the grade shows very low warpage and its excellent processability allows an easy filling of moulds and short cycle times.

TYPICAL APPLICATIONS

ISPLEN® PP 099 X2M is widely used for the production of consumer goods such us:

Rigid packaging with very thin walls.

Video boxes.

Screw caps and closures.

Recommended melt temperature range from 200 to 250°C. Processing conditions should be optimised for each production line.

General Information			
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Moldability		
	Good Processability		
	High Clarity		
	High Flow		
	High Gloss		
	High Stiffness		
	Low Warpage		
	Opticals		
Uses	Caps		
	Closures		
	Packaging		
	Rigid Packaging		
	Thin-walled Packaging		
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)	55	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	75		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1700	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.5	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	95.0	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 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

