

ISPLEN® PP 099 K2M

Polypropylene Homopolymer

REPSOL

Message:

ISPLEN® PP 099 K2M is a high fluidity polypropylene homopolymer designed for injection moulding applications. It is characterised by its excellent processability which allows for quick, easy filling of moulds and ultra short cycles. Moreover, because of its special crystalline configuration, it has high stiffness and very low warpage. Articles manufactured with this grade have excellent chemical resistance, are easily decorated and can accept different colouring systems.

ISPLEN® PP 099 K2M is formulated with an antistatic additive package to permit the dispersion of static charges accumulated on the article surface avoiding anti-aesthetic dust deposits during storage or exhibition. Additive package also facilitates material processing and makes it easier to extract the pieces from the mould.

TYPICAL APPLICATIONS

ISPLEN® PP 099 K2M is widely used for the production of consumer goods such as:

Rigid packaging with very thin walls.

Video boxes.

Screw caps and closures.

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

General Information			
Additive	Antistatic		
Features	Antistatic		
	Crystalline		
	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Chemical Resistance		
	Good Colorability		
	Good Processability		
	High Flow		
	High Stiffness		
Uses	Low Warpage		
	Caps		
	Closures		
	Packaging		
	Rigid Packaging		
Agency Ratings	Thin-walled Packaging		
	EU Food Contact, Unspecified Rating		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	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	190 to 250	°C	

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