

# TIPPLEN® K 691

Polypropylene Impact Copolymer

MOL Petrochemicals Co. Ltd.

## Message:

TIPPLEN K 691 is a high molecular weight nucleated impact copolymer polypropylene for extrusion. The product offers excellent impact strength and excellent process ability.

TIPPLEN K 691 is recommended for corrugated cardboards and sheets.

TIPPLEN K 691 is suitable for food contact. The product complies with Food Contact Regulations.

General Information			
Additive	Nucleating Agent		
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Processability		
	High Molecular Weight		
	Impact Copolymer		
	Nucleated		
	Recyclable Material		
Uses	Corrugated Sheet		
	Film		
	Sheet		
Forms	Pellets		
Processing Method	Extrusion		
	Film Extrusion		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.3	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	82		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1450	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	30.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	7.0	%	ISO 527-2
Flexural Modulus (Injection Molded)	1600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/A
-20°C, Injection Molded	7.0	kJ/m²	

23°C, Injection Molded	61	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	100	°C	ISO 75-2/B
Extrusion	Nominal Value	Unit	
Melt Temperature	195 to 245	°C	

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#### Recommended distributors for this material

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