

# TIPPLEN® K 948

Polypropylene Impact Copolymer

MOL Petrochemicals Co. Ltd.

## Message:

TIPPLEN K 948 is an impact copolymer polypropylene for injection moulding. The grade contains nucleated agent. This grade offers very high flow and outstanding process ability for shorter cycle times.

TIPPLEN K 948 is recommended for the production of household and kitchen articles, thin-walled packaging containers, pails, closures, boxes, bins.

TIPPLEN K 948 is suitable for food contact. The product complies with Food Contact Regulations.

General Information			
Additive	Nucleating Agent		
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Processability		
	High Flow		
	Impact Copolymer		
	Nucleated		
	Recyclable Material		
Uses	Closures		
	Household Goods		
	Kitchenware		
	Pails		
	Thin-walled Containers		
	Thin-walled Packaging		
	Toys		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	45	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	88		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1350	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	27.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	5.0	%	ISO 527-2
Flexural Modulus (Injection Molded)	1350	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/A

-20°C, Injection Molded	3.5	kJ/m <sup>2</sup>	
23°C, Injection Molded	8.0	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	97.0	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 240	°C	

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#### Recommended distributors for this material

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