

TIPPLEN® K 499

Polypropylene Impact Copolymer

MOL Petrochemicals Co. Ltd.

Message:

TIPPLEN K 499 is an impact copolymer polypropylene for injection moulding. The product offers good flow, high impact strength and stiffness due to the ethylene content.

TIPPLEN K 499 is recommended for automotive components, dashboards, cooling water compensation reservoirs, door trim panels, luggage compartment trims and battery cases, crates, boxes.

TIPPLEN K 499 is suitable for food contact. The product complies with Food Contact Regulations.

General Information			
Features	Food Contact Acceptable		
	Good Flow		
	High Impact Resistance		
	High Stiffness		
	Impact Copolymer		
	Recyclable Material		
Uses	Automotive Applications		
	Automotive Instrument Panel		
	Automotive Interior Trim		
	Battery Cases		
	Crates		
Agency Ratings	BGA Food Contact, Unspecified Rating		
	EU Food Contact, Unspecified Rating		
	FDA Food Contact, Unspecified Rating		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.5	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	83		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1300	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	28.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	6.0	%	ISO 527-2
Flexural Modulus (Injection Molded)	1400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/A

-20°C, Injection Molded	5.0	kJ/m ²	
23°C, Injection Molded	12	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	94.0	°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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