

TIPPLEN® K 597

Polypropylene Impact Copolymer

MOL Petrochemicals Co. Ltd.

Message:

TIPPLEN K 597 is an impact copolymer polypropylene with high ethylene content for injection moulding. TIPPLEN K 597 offers excellent impact strength. TIPPLEN K 597 is recommended for automotive components (dashboard), bins, closures, medium size containers, crates and trays. TIPPLEN K 597 is suitable for food contact. The product complies with Food Contact and Toy Safety Regulations.

General Information			
Features	Food Contact Acceptable		
	High Impact Resistance		
	Impact Copolymer		
	Recyclable Material		
Uses	Automotive Applications		
	Automotive Instrument Panel		
	Closures		
	Containers		
	Crates		
	Support Trays		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	70		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1100	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	24.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	7.0	%	ISO 527-2
Flexural Modulus (Injection Molded)	1150	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	48	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	77.0	°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

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

