TIPPLEN® K 693

Polypropylene Impact Copolymer

MOL Petrochemicals Co. Ltd.

Message:

TIPPLEN K 693 is a high molecular weight impact copolymer polypropylene for the extrusion and injection moulding applications. TIPPLEN K 693 offers excellent impact strength, good stiffness and excellent processability.
TIPPLEN K 693 is recommended for medium-low weight corrugated cardboards, blow moulded bottles. This grade is also recommended for heavy-duty packaging and large containers.
TIPPLEN K 693 is suitable for food contact. The product complies with Food Contact Regulations.

General Information	
Features	Food Contact Acceptable
	Good Processability
	High Impact Resistance
	High Molecular Weight
	High Stiffness
	Impact Copolymer
	Recyclable Material
Uses	Blow Molding Applications
	Bottles
	Containers
	Corrugated Sheet
	Packaging
	Sheet
Forms	Pellets
Processing Method	Blow Molding
	Extrusion
	Extrusion Blow Molding
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	79		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (Injection Molded)	1350	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	29.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	8.0	%	ISO 527-2
Flexural Modulus (Injection Molded)	1450	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/A
-20°C, Injection Molded	6.0	kJ/m²	
23°C, Injection Molded	25	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	88.0	°C	ISO 75-2/B
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	190 to 240	°C	
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	190 to 240	°C	

Recommended distributors for this material

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