TIPPLEN® K 850

Polypropylene Impact Copolymer

MOL Petrochemicals Co. Ltd.

Message:

TIPPLEN K 850 is a bimodal, high molecular weight impact copolymer polypropylene for extrusion. TIPPLEN K 850 offers excellent heat and detergent resistance. The product shows very high stiffness, high impact strength and excellent processability.
Applications
TIPPLEN K 850 is well suited for blow moulded appliance components, wheels, under-the-hood automotive parts, toolboxes, suitcases and large containers. TIPPLEN K 850 is also applicable for extrusion of pipes, corrugated pipes, and fittings, tough sheet for industrial applications and thermoforming trays for storage in refrigerator.
TIPPLEN K 850 is suitable for food contact. The product complies with Food Contact Regulations.

General Information	
Features	Detergent Resistant
	Food Contact Acceptable
	Good Processability
	High Heat Resistance
	High Impact Resistance
	High Molecular Weight
	High Stiffness
	Impact Copolymer
	Recyclable Material
Uses	Appliance Components
	Automotive Applications
	Automotive Under the Hood
	Blow Molding Applications
	Containers
	Corrugated Pipe
	Fittings
	Piping
	Sheet
	Support Trays
	Tool/Tote Box
Agency Ratings	EC 1907/2006 (REACH)
Processing Method	Blow Molding
	Extrusion Blow Molding
	Pipe Extrusion
	Sheet Extrusion
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.23	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	85		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (Injection Molded)	1800	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	36.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	10	%	ISO 527-2
Flexural Modulus (Injection Molded)	1850	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	46	kJ/m^2	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	116	°C	ISO 75-2/B
Oxidation Induction Time (200°C)	120	min	EN 728
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	195 to 250	°C	

Recommended distributors for this material

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