

Tipwood® 50 EX

Polypropylene Copolymer

Tipco Industries Ltd.

Message:

Tipwood® 50 EX is a Wood-Fibre Reinforced, Heat Stabilized Polypropylene Compound specially developed by Tipco for Automobile Interiors and Appliance Fascia Applications

Features:

- Environmentally Friendly Material
- Easy Recyclability
- 45-50% Special Wood Filler
- Excellent Extrudability
- High Melt Strength
- Superior Draw Down for Vacuum / Thermo Formability
- Wood-Like Surface Aesthetics
- Good Izod Impact Strength
- High Stiffness & Good Durability
- Good Sound Barrier Properties
- Extremely Low Thermal Sag

Applications:

Sheet Extrusion, Thermoforming, Profiles, Blow Moulding and Lamination.

Automotive Car Interiors, Door Panels, Trims, Wood-Finish Panels, Office Files, Trays, Marine Flooring, Audio Speakers, Resonator Devices, Blow Moulded Bottles, Furniture, Mono-Block Chairs and various Artificial Wood Products.

General Information	
Filler / Reinforcement	Wood Fiber
Additive	Heat Stabilizer
Features	Copolymer
	Durable
	Environmentally Sound
	Good Impact Resistance
	Good Melt Strength
	High Stiffness
	Sound Damping
Uses	Appliance Components
	Automotive Interior Parts
	Automotive Interior Trim
	Fascias
	Furniture
	Profiles
Forms	Pellets
Processing Method	Blow Molding
	Sheet Extrusion
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/10.0 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.80	%	ASTM D955
Moisture Content	0.25	%	ASTM D817
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	24.5	MPa	ASTM D638
Tensile Elongation (Break)	8.0	%	ASTM D638
Flexural Modulus	2450	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	34	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	92.0	°C	ASTM D648
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	5.0 to 7.0	hr	
Melt Temperature	< 225	°C	

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