

Formosa TAIRIREX HP8250

Formosa Chemicals TAIRIREX® HIPS HP8250, with an HB flammability rating, is suitable for injection molding processes. As a general - purpose grade material, it is odorless with low monomer residue, making it ideal for various applications such as electrical panels, home appliances housing, TV housing, terminal cable jacketing, and prototyping.

Physical property	Standard	Value	Unit
Density 23°C	ASTM D792	1.04	g/cm ³
Melt Index 200°C 5kg	ASTM D1238	5.5	g/10min
Monomer Content		700	ppm
Mechanical behavior	Standard	Value	Unit
Tensile Modulus 23°C	ASTM D638	22000	kg/cm ²
Tensile Modulus 23°C	ASTM D638	2160	MPa
Tensile Strength 23°C	ASTM D638	230	kg/cm ²
Tensile Strength 23°C	ASTM D638	23	MPa
Elongation 23°C	ASTM D638	53	%
Flexural Strength 23°C	ASTM D790	470	kg/cm ²
Flexural Strength 23°C	ASTM D790	45	MPa
Flexural Modulus 23°C	ASTM D790	23000	kg/cm ²
Flexural Modulus 23°C	ASTM D790	2260	MPa
Izod Notch Impact 23°C 6.4mm	ASTM D256	13	kg-cm/cm
Izod Notch Impact 23°C 6.4mm	ASTM D256	124	J/m
Thermal	Standard	Value	Unit
HDT Annealed 3.2mm Annealed at 80°C for 2 hours	ASTM D648	89	°C
Vicat Softening Temperature Annealed 3.2mm Annealed at 80°C for 2 hours	ASTM D1525	101	°C
Flammability	Standard	Value	Unit
Flame Rating All Color 0.8mm	UL94	HB	
Flame Rating All Color 1.0mm	UL94	HB	
Flame Rating All Color 1.5mm	UL94	HB	
Flame Rating All Color 3.0mm	UL94	HB	