

Formosa TAIRIREX® GP5000

Features: High flow、General purpose grade、Low monomer residue

Application: Audio shell、Audio tapes、General purpose、Injection molding applications

Physical property		Standard	Value	Unit
Density	23°C	ASTM D792	1.04	g/cm ³
Melt Index	200°C 5kg	ASTM D1238	10	g/10min
Monomer Content			700	ppm
Mechanical behavior		Standard	Value	Unit
Tensile Modulus	23°C	ASTM D638	33000	kg/cm ²
Tensile Modulus	23°C	ASTM D638	3234	MPa
Tensile Strength	23°C	ASTM D638	440	kg/cm ²
Tensile Strength	23°C	ASTM D638	42	MPa
Elongation	23°C	ASTM D638	2	%
Flexural Strength	23°C	ASTM D790	820	kg/cm ²
Flexural Strength	23°C	ASTM D790	81	MPa
Flexural Modulus	23°C	ASTM D790	31000	kg/cm ²
Flexural Modulus	23°C	ASTM D790	3038	MPa
Izod Notch Impact	23°C 6.4mm	ASTM D256	1.6	kg-cm/cm
Izod Notch Impact	23°C 6.4mm	ASTM D256	16	J/m
Thermal		Standard	Value	Unit
HDT	Annealed 3.2mm Annealed at 80°C for 2 hours	ASTM D648	83	°C
Vicat Softening Temperature Annealed 3.2mm Annealed at 80°C for 2 hours		ASTM D1525	95	°C
Flammability		Standard	Value	Unit
Flame Rating	NC 1.5mm	UL94	HB	
Flame Rating	NC 3.0mm	UL94	HB	
UL		Standard	Value	Unit
UL FlameRating	NC 1.5mm	UL94	HB	
UL FlameRating	NC 3.0mm	UL94	HB	
HWI	NC 3.0mm	UL 746A	3	PLC
HAI	NC 3.0mm	UL 746A	0	PLC
RTI Elec	NC 1.5mm	UL 746B	50	°C
RTI Elec	NC 3.0mm	UL 746B	50	°C
RTI Imp	NC 1.5mm	UL 746B	50	°C
RTI Imp	NC 3.0mm	UL 746B	50	°C
RTI Str	NC 1.5mm	UL 746B	50	°C
RTI Str	NC 3.0mm	UL 746B	50	°C
Comparative Tracking Index		IEC 60112	1	PLC
HVTR		UL 746A	0	PLC
Arc Resistance		ASTM D495	7	PLC