

Formosa TAIRIREX® GP5500

Features: High Molecular Weight、General purpose grade、Low monomer residue

Application: Motor electronic components、Pharmaceutical packaging、Containers、Vials、Composites、General purpose

Physical property		Standard	Value	Unit
Density	23°C	ASTM D792	1.04	g/cm ³
Melt Index	200°C 5kg	ASTM D1238	2.6	g/10min
Monomer Content			700	ppm
Mechanical behavior		Standard	Value	Unit
Tensile Modulus	23°C	ASTM D638	32000	kg/cm ²
Tensile Modulus	23°C	ASTM D638	3136	MPa
Tensile Strength	23°C	ASTM D638	500	kg/cm ²
Tensile Strength	23°C	ASTM D638	49	MPa
Elongation	23°C	ASTM D638	2	%
Flexural Strength	23°C	ASTM D790	1050	kg/cm ²
Flexural Strength	23°C	ASTM D790	105	MPa
Flexural Modulus	23°C	ASTM D790	34000	kg/cm ²
Flexural Modulus	23°C	ASTM D790	3330	MPa
Izod Notch Impact	23°C 6.4mm	ASTM D256	1.5	kg-cm/cm
Izod Notch Impact	23°C 6.4mm	ASTM D256	15	J/m
Thermal		Standard	Value	Unit
HDT	Annealed 3.2mm Annealed at 80°C for 2 hours	ASTM D648	98	°C
Vicat Softening Temperature Annealed 3.2mm Annealed at 80°C for 2 hours		ASTM D1525	104	°C
Flammability		Standard	Value	Unit
Flame Rating	All Color 1.5~1.7mm	UL94	HB	
UL		Standard	Value	Unit
UL FlameRating	ALL 1.5~1.7mm	UL94	HB	
HWI	ALL 1.5~1.7mm	UL 746A	4	PLC
HAI	ALL 1.5~1.7mm	UL 746A	0	PLC
RTI Elec	ALL 1.5~1.7mm	UL 746B	50	°C
RTI Imp	ALL 1.5~1.7mm	UL 746B	50	°C
RTI Str	ALL 1.5~1.7mm	UL 746B	50	°C
Comparative Tracking Index		IEC 60112	1	PLC
HVTR		UL 746A	0	PLC
Arc Resistance		ASTM D495	6	PLC