

Formosa TAIRIREX® GP560N

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

Application: Diffusion plate

Physical property		Standard	Value	Unit
Density	23°C	ASTM D792	1.04	g/cm ³
Density	23°C	ISO 1183	1.04	g/cm ³
Shrinkage	3.2mm	ASTM D955	0.4~0.7	%
Melt Index	200°C 5kg	ASTM D1238	1.9	g/10min
Melt Index	200°C 5kg	ISO 1133	1.9	g/10min
Monomer Content			500	ppm
Mechanical behavior		Standard	Value	Unit
Tensile Modulus	23°C	ASTM D638	27000	kg/cm ²
Tensile Modulus	23°C	ISO 527	3100	MPa
Tensile Strength	23°C	ASTM D638	510	kg/cm ²
Tensile Strength	23°C	ISO 527	50	MPa
Elongation	23°C	ASTM D638	2	%
Elongation	23°C	ISO 527	3.9	%
Flexural Strength	23°C	ASTM D790	1000	kg/cm ²
Flexural Strength	23°C	ISO 178	92	MPa
Flexural Modulus	23°C	ASTM D790	32000	kg/cm ²
Flexural Modulus	23°C	ISO 178	2750	MPa
Izod Notch Impact	23°C 6.4mm	ASTM D256	1.8	kg-cm/cm
Izod Notch Impact	23°C 6.4mm	ISO 180	19	J/m
Thermal		Standard	Value	Unit
HDT	Annealed 3.2mm Annealed at 80°C for 2 hours	ASTM D648	94	°C
HDT	Annealed 3.2mm Annealed at 80°C for 2 hours	ISO 75	103	°C
Vicat Softening Temperature	Annealed 3.2mm Annealed at 80°C for 2 hours	ASTM D1525	106	°C
Vicat Softening Temperature	Annealed 3.2mm Annealed at 80°C for 2 hours	ISO 306	106	°C
Flammability		Standard	Value	Unit
Flame Rating	All Color 1.5mm	UL94	HB	
Flame Rating	All Color 3.0mm	UL94	HB	