

Formosa TAIRIREX[®] GP535H

Features: General purpose grade、Low monomer residue、High heat resistance

Application: Refrigerator sheet、Home Appliances Applications、General purpose

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	2.55	g/10min
Melt Index	200°C 5kg	ISO 1133	2.5	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	3250	MPa
Tensile Strength	23°C	ASTM D638	500	kg/cm ²
Tensile Strength	23°C	ISO 527	49	MPa
Elongation	23°C	ASTM D638	2	%
Elongation	23°C	ISO 527	2.4	%
Flexural Strength	23°C	ASTM D790	970	kg/cm ²
Flexural Strength	23°C	ISO 178	84	MPa
Flexural Modulus	23°C	ASTM D790	31000	kg/cm ²
Flexural Modulus	23°C	ISO 178	2650	MPa
Izod Notch Impact	23°C 6.4mm	ASTM D256	1.7	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	97	°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	