

**TAIRILITE® AC2955**

 Formosa Chemicals & Fibre Corporation - *Polycarbonate*
**General Information**
**Product Description**

IR transmittance grade

Features: IR transmittance, Mid-high flow.

**General**

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Features	• Medium Flow
Agency Ratings	• EC 1907/2006 (REACH)
RoHS Compliance	• RoHS Compliant
UL File Number	• E162823

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity <sup>2</sup>	1.20		ASTM D792
Density (73°F)	1.20	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	20	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	20	g/10 min	ISO 1133
Molding Shrinkage - Flow (0.126 in)	5.0E-3 to 7.0E-3	in/in	ASTM D955
Molding Shrinkage	0.50 to 0.70	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>3</sup> (73°F)	9810	psi	ASTM D638
Tensile Stress (73°F)	9860	psi	ISO 527-2/50
Flexural Modulus <sup>4</sup> (73°F)	320000	psi	ASTM D790
Flexural Modulus <sup>4</sup> (73°F)	320000	psi	ISO 178
Flexural Strength <sup>4</sup> (73°F)	16000	psi	ASTM D790
Flexural Stress <sup>4</sup> (73°F)	16000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F, 0.157 in)	31	ft·lb/in <sup>2</sup>	ISO 179
Notched Izod Impact (73°F, 0.126 in)	13	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 73°F)	122		ASTM D785
Rockwell Hardness (R-Scale, 73°F)	122		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load <sup>5</sup> (264 psi, Unannealed, 0.126 in)	262	°F	ASTM D648
Deflection Temperature Under Load <sup>5</sup> (264 psi, Unannealed, 0.157 in)	262	°F	ISO 75-2/A
RTI Elec	176	°F	UL 746B
RTI Imp	176	°F	UL 746B
RTI Str	176	°F	UL 746B
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.04 in)	V-2		UL 94

**Notes**
<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 23°C

<sup>3</sup> 2.0 in/min

<sup>4</sup> 0.079 in/min

<sup>5</sup> 120°C/h
