

TAIRILOY® AC3300

Formosa Chemicals & Fibre Corporation - Polycarbonate + ABS

General Information

Product Description

Self Extinguishing Grade

Features: Flame retardant, Halogen free

General

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Additive	• Flame Retardant
Features	• Flame Retardant • Halogen Free • Self Extinguishing
Agency Ratings	• EC 1907/2006 (REACH)
RoHS Compliance	• RoHS Compliant
UL File Number	• E162823

 Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity ²	1.18		ASTM D792
Density (73°F)	1.18	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ASTM D1238
240°C/5.0 kg	42	g/10 min	
260°C/2.16 kg	30	g/10 min	
Melt Mass-Flow Rate (MFR)			ISO 1133
240°C/5.0 kg	42	g/10 min	
260°C/2.16 kg	30	g/10 min	
Molding Shrinkage (0.126 in)	0.40 to 0.60	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (73°F)	8680	psi	ASTM D638
Tensile Stress (73°F)	8560	psi	ISO 527-2
Flexural Modulus (73°F)	370000	psi	ASTM D790
Flexural Modulus (73°F)	370000	psi	ISO 178
Flexural Strength (73°F)	14700	psi	ASTM D790
Flexural Stress (73°F)	13300	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F, 0.157 in)	6.2	ft·lb/in ²	ISO 179
Notched Izod Impact (73°F, 0.126 in)	0.54	ft·lb/in	ASTM D256
Notched Izod Impact Strength (73°F, 0.126 in)	130	ft·lb/in ²	ISO 180
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 73°F)	118		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed, 0.252 in)	32.0	°F	ISO 75-2/A
Vicat Softening Temperature	212	°F	ISO 306/A
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.05 to 0.07 in		V-0	
0.06 to 0.07 in		5VB	

