CYCOLOY™ FR RESINS C2950HF

REGION ASIA

DESCRIPTION

CYCOLOY C2950HF Polycarbonate/Acrylonitrile Butadiene Styrene (PC/ABS) resin is a high heat grade that can be injection molded. This non-chlorinated, non-brominated flame retardant high heat PC/ABS wih enhanced processability has a UL V0 & 5VA/B flame rating. CYCOLOY C2950HF resin is an excellent candidate for a wide variety of applications including appliances, lighting and electrical.

TYPICAL PROPERTY VALUES

Revision 20191022

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield	59	MPa	SABIC - Japan Method
Tensile Strain, break	157 – 157	%	SABIC - Japan Method
Flexural Stress	90	MPa	ASTM D790
Flexural Modulus	2350	MPa	ASTM D790
IMPACT			
Izod Impact, notched, 23°C	580	J/m	ASTM D256
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	95	°C	ASTM D648
HDT, 1.82 MPa, 6.4 mm, unannealed	95	°C	ASTM D648
CTE, -30°C to 30°C	0.00006 – 0.00008	1/°C	TMA
PHYSICAL			
Specific Gravity	1.18	-	ASTM D792
Water Absorption, (23°C/24hrs)	0.1	%	ASTM D570
Mold Shrinkage, flow, 3.2 mm	0.4 – 0.6	%	SABIC method
FLAME CHARACTERISTICS			
UL Yellow Card Link	E207780-101234527	-	-
UL Yellow Card Link 2	E45587-236936	-	-
UL Recognized, 94V-2 Flame Class Rating	0.75	mm	UL 94
UL Recognized, 94V-0 Flame Class Rating	1.5	mm	UL 94
UL Recognized, 94-5VA Flame Class Rating	3.4	mm	UL 94
UL Recognized, 94-5VB Flame Class Rating	2.5	mm	UL 94

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