

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 with 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

DISCLAIMER

Any sale by SABIC, its subsidiaries and affiliates (each a "seller"), is made exclusively under seller's standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NON-INFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer's particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right.