

CYCOLOY™ C2950HF resin

Polycarbonate + ABS

SABIC Innovative Plastics

Message:

Non-chlorinated and non-brominated flame retardant PC/ABS offering balanced impact and heat properties plus improved flow for various applications.

General Information			
Additive	Flame retardancy		
Features	Chlorine Free		
	Bromine-free		
	Flame retardancy		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.40 - 0.60	%	Internal method
Water Absorption (24 hr)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	59.0	MPa	Internal method
Tensile Elongation (Break)	160	%	Internal method
Flexural Modulus	2350	MPa	ASTM D790
Flexural Strength	90.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	580	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 3.20mm	95.0	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm	95.0	°C	ASTM D648
CLTE - Flow (-30 to 30°C)	6.0E-5 - 8.0E-5	cm/cm/°C	ASTM E831
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.750 mm	V-2		UL 94
1.50 mm	V-0		UL 94
2.50 mm	5VB		UL 94
3.40 mm	5VA		UL 94

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Recommended distributors for this material

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