

ARC ARC1950

Acrylonitrile Butadiene Styrene

ARC Resin Corporation

Message:

ARC ARC1950 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in North America.

Important attributes of ARC ARC1950 are:

Flame Rated

Flame Retardant

General Information			
Features	Flame Retardant		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹ (23°C, 3.18 mm)	2210	MPa	ASTM D638
Tensile Strength ² (23°C, 3.18 mm)	41.4	MPa	ASTM D638
Tensile Elongation ³ (Break, 23°C, 3.18 mm)	150	%	ASTM D638
Flexural Modulus (23°C, 3.18 mm)	2280	MPa	ASTM D790
Flexural Strength (23°C, 3.18 mm)	66.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	130	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load ⁴ (1.8 MPa, Unannealed, 6.35 mm)	82.2	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.52 mm)	V-0		UL 94
NOTE			
1.	Type I, 5.1 mm/min		
2.	Type I, 5.1 mm/min		
3.	Type I, 5.1 mm/min		
4.	0.250" x 0.5" x 5" bar		

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