

TRILAC® ABS-FR1

Acrylonitrile Butadiene Styrene
Polymer Technology and Services, LLC

Message:

TRILAC® ABS-FR1 is an acrylonitrile butadiene styrene (ABS) product. It can be processed by injection molding and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.
Features include:
flame retardant/rated flame
Flame Retardant

General Information			
UL YellowCard	E155285-296640	E155285-102304788	
Additive	Flame retardancy		
Features	Flame retardancy		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 - 0.80	%	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2170	MPa	ASTM D638
Tensile Strength (Yield, 3.17 mm)	36.5	MPa	ASTM D638
Flexural Modulus (3.17 mm)	2240	MPa	ASTM D790
Flexural Strength (3.17 mm)	64.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.17 mm)	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, unannealed, 3.17mm)	76.7	°C	ASTM D648
RTI Elec	60.0	°C	UL 746
RTI Imp	60.0	°C	UL 746
RTI	60.0	°C	UL 746
Flammability	Nominal Value		Test Method
	V-0		
Flame Rating (3.00 mm)	5VA		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	87.8 - 93.3	°C	

Drying Time	2.0 - 24	hr
Rear Temperature	177	°C
Middle Temperature	204	°C
Front Temperature	216	°C
Processing (Melt) Temp	232 - 249	°C
Mold Temperature	54.4 - 71.1	°C
Injection Pressure	55.2 - 82.7	MPa
Back Pressure	0.689	MPa
Screw Speed	50 - 60	rpm

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Recommended distributors for this material

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