

# TRILAC® ABS-EX1000

Acrylonitrile Butadiene Styrene  
Polymer Technology and Services, LLC

Message:

TRILAC® ABS-EX1000 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.  
Characteristics include:  
Flame Rated  
Impact Resistant

General Information			
Features	High Impact Resistance		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	7.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	43.0	MPa	ASTM D638
Flexural Modulus	1930	MPa	ASTM D790
Flexural Strength (Yield)	59.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
3.17 mm	360	J/m	
6.35 mm	290	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	92.0	°C	
1.8 MPa, Unannealed	85.0	°C	
Flammability	Nominal Value		Test Method
Flame Rating (3.17 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	82.2 to 87.8	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	177	°C	
Middle Temperature	204	°C	
Front Temperature	216	°C	
Processing (Melt) Temp	232 to 249	°C	
Mold Temperature	54.4 to 71.1	°C	
Injection Pressure	55.2 to 82.7	MPa	

Injection Rate	Slow-Moderate	
Back Pressure	0.689	MPa
Screw Speed	50 to 60	rpm

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Recommended distributors for this material

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