

TRILAC® ABS-HH2500

Acrylonitrile Butadiene Styrene
Polymer Technology and Services, LLC

Message:

TRILAC® ABS-HH2500 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary characteristic: heat resistant.

General Information			
Features	High Heat Resistance		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
220°C/10.0 kg	1.8	g/10 min	
230°C/3.8 kg	0.20	g/10 min	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	44.0	MPa	ASTM D638
Flexural Modulus	2070	MPa	ASTM D790
Flexural Strength (Yield)	63.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
3.17 mm	210	J/m	
6.35 mm	140	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	122	°C	
1.8 MPa, Unannealed	113	°C	
Injection	Nominal Value	Unit	
Drying Temperature	87.8 to 93.3	°C	
Drying Time	2.0 to 24	hr	
Rear Temperature	193	°C	
Middle Temperature	216	°C	
Front Temperature	232	°C	
Processing (Melt) Temp	246 to 260	°C	
Mold Temperature	48.9 to 65.6	°C	
Injection Pressure	68.9 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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