

EvoSource™ ABS 4500

Acrylonitrile Butadiene Styrene

MBA Polymers

Message:

A UL-HB recognized, easy flowing, post-consumer recycled acrylonitrile-butadiene-styrene copolymer for general use. Available in standard grey (reference 70/15) and standard black (reference 90/04). Other colors may be available upon request.

General Information	
UL YellowCard	E226591-100161698
Recycled Content	Yes
Features	Copolymer
	Good Flow
Uses	General Purpose
Appearance	Black
	Colors Available
	Grey
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	9.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2400	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	37.0	MPa	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	13	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	84.0	°C	
1.8 MPa, Unannealed	72.0	°C	
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	HB		
3.00 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	

Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.050 to 0.10	%
Processing (Melt) Temp	210 to 240	°C
Mold Temperature	40.0 to 60.0	°C
Extrusion	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.050 to 0.10	%
Melt Temperature	200 to 220	°C

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Recommended distributors for this material

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