

EvoSource™ PS 3500

General Purpose Polystyrene

MBA Polymers

Message:

A UL-HB recognized post-consumer recycled impact modified polystyrene 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	E226591-100161703		
Additive	Impact Modifier		
Recycled Content	Yes		
Features	Good Impact Resistance		
Uses	General Purpose		
Appearance	Black		
	Colors Available		
	Grey		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	7.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	24.0	MPa	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	10	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	82.0	°C	
1.8 MPa, Unannealed	71.0	°C	
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	HB		
3.00 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature	70.0	°C	
Drying Time	1.0 to 2.0	hr	
Suggested Max Moisture	0.050 to 0.10	%	

Processing (Melt) Temp	190 to 230	°C
Mold Temperature	20.0 to 60.0	°C
Extrusion	Nominal Value	Unit
Drying Temperature	70.0	°C
Drying Time	1.0 to 2.0	hr
Suggested Max Moisture	0.050 to 0.10	%
Melt Temperature	180 to 210	°C

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Recommended distributors for this material

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