

EvoSource™ ABS 4136 90/05

Acrylonitrile Butadiene Styrene
MBA Polymers

Message:

An easy flowing, post-consumer recycled acrylonitrile-butadiene-styrene copolymer for applications requiring increased impact strength. Available in deep black (reference 90/05).

General Information	
Recycled Content	Yes
Features	Copolymer
	Good Flow
	Good Impact Resistance
Appearance	Black
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	Internal Method
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	24	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2350	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	40.0	MPa	ISO 527-2/50
Flexural Modulus (23°C)	2250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	19	kJ/m ²	ISO 179/1eA
Notched Izod Impact Strength (23°C)	18	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	88.0	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.050 to 0.10	%	
Processing (Melt) Temp	210 to 250	°C	
Mold Temperature	40.0 to 60.0	°C	
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0 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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