

# EvoSource™ ABS 4136 70/05

Acrylonitrile Butadiene Styrene

MBA Polymers Austria Kunststoffverarbeitung GmbH

## Message:

An easy flowing, post-consumer recycled acrylonitrile-butadiene-styrene copolymer for applications requiring increased impact strength. Available in mouse grey (reference 70/05).

General Information			
Recycled Content	Yes		
Features	Impact resistance, good Good liquidity		
Appearance	Grey		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm <sup>3</sup>	Internal method
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	26	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2200	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	40.0	MPa	ISO 527-2/50
Flexural Modulus <sup>1</sup> (23°C)	2200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	20	kJ/m <sup>2</sup>	ISO 179/1eA
Notched Izod Impact	20	kJ/m <sup>2</sup>	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	90.0	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature	80	°C	
Drying Time	3.0 - 4.0	hr	
Suggested Max Moisture	0.050 - 0.10	%	
Processing (Melt) Temp	210 - 250	°C	
Mold Temperature	40 - 60	°C	
Back Pressure	10.0 - 20.0	MPa	
Extrusion	Nominal Value	Unit	
Drying Temperature	80	°C	
Drying Time	3.0 - 4.0	hr	
Suggested Max Moisture	0.050 - 0.10	%	
Melt Temperature	200 - 220	°C	
NOTE			

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### Recommended distributors for this material

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