

EvoSource™ PC/ABS 5366 90/04

Polycarbonate + ABS

MBA Polymers Austria Kunststoffverarbeitung GmbH

Message:

This is a recycled PCABS from post-consumer sources and modified for technical applications demanding improved properties:

Increased heat deflection temperature

Improved cold impact behavior

Improved non-flammability

Increased notched impact strength

General Information			
Recycled Content	Yes		
Features	Good Heat Resistance		
	Impact resistance, good		
	Low temperature impact resistance		
	Flame retardancy		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm ³	Internal method
Melt Mass-Flow Rate (MFR) (240°C/5.0 kg)	20	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
--	0.53	%	ISO 294-4
48 hours	0.58	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2300	MPa	ISO 527-2/1
Tensile Stress (23°C)	50.0	MPa	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/A
-30°C	10	kJ/m ²	ISO 179/A
23°C	25	kJ/m ²	ISO 179/A
Charpy Unnotched Impact Strength			ISO 179
-30°C	90	kJ/m ²	ISO 179
23°C	140	kJ/m ²	ISO 179
Notched Izod Impact (23°C)	25	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength (23°C)	100	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	115	°C	ISO 306/A50
Flammability	Nominal Value		Test Method
Flame Rating (1.5 mm)	HB		UL 94

Injection	Nominal Value	Unit
Drying Temperature	100	°C
Drying Time	4.0	hr
Suggested Max Moisture	0.020	%
Processing (Melt) Temp	235 - 260	°C
Mold Temperature	70 - 90	°C
Extrusion	Nominal Value	Unit
Drying Temperature	100	°C
Drying Time	4.0	hr
Suggested Max Moisture	0.020	%
Melt Temperature	250	°C

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Recommended distributors for this material

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