



Arcoter ECO SI 90 black

Product description

General purpose ABS for injection moulding. Medium fluidity, recycled quality. PSV Certified.



Properties	Unit	Value	Method
Physical			
Density	g/cm ³	1,05	ISO 1183
Water absorption (24h - 23°C)	%	0,30	Internal
MVR melt volume rate (220 °C- 10 kg)	cm ³ /10 min	22	ISO 1133
Mechanical			
Tensile strength at yield (20mm/min)	MPa	35	ISO 527-1-2
Tensile modulus (20mm/min)	MPa	2100	ISO 527-1-2
Elongation at break (20mm/min)	%	8	ISO 527-1-2
Izod notched impact strength (+23 °C)	J/m	130	ASTM D256
Thermal			
Vicat softening point (49 N - 120 °C/h)	°C	96	ISO 306/B
Vicat softening point (10 N - 50 °C/h)	°C	105	ISO 306/A
Flammability			
Thickness UL 94 - Thickness 1,6 mm	Class	HB	UL-94
Thickness UL 94 - Thickness 3,2 mm	Class	HB	UL-94
GWFI - Thick./spess. 2 mm	°C	650	IEC 60695-2-12

Process conditions

Barrel temperature range:	210 - 240 °C
Mould temperature range:	50 - 80 °C
Mould shrinkage	0,4 - 0,7 %
Drying process:	2 - 4 hours at 80 °C

Storage

The product should be stored in dry conditions at temperatures below 50°C and protected from UV-light. An unsuitable storage can have negative effects on the physical properties of this product.

Safety

The product has not classified as dangerous. Please see the "Material safety data sheet" for details.

The data information contained herein are typical average values based on our current level of knowledge and experience and not constitute sales specifications. No liability, warranty or guarantee of product performance is created by this document.

Certificato n° 3192/2024

Scopo <i>Scope</i>	Commercializzazione di materiali certificati PSV Marketing of PSV certified materials
Gamma di prodotti <i>Range of products</i>	vedere allegato / see annex
Nome commerciale <i>Trade name</i>	vedere allegato / see annex
Produttore <i>Manufacturer</i>	ARCOPOLIMERI SRL
Sede legale <i>Head office</i>	VIA GALILEO GALILEI, 10/12 — 35012 CAMPOSAMPIETRO (PD)
Sito produttivo <i>Production site</i>	VIA GALILEO GALILEI, 10/12 — 35012 CAMPOSAMPIETRO (PD)

IIP Srl certifica che i prodotti sopra elencati ottenuti dall'impiego di materiali da riciclo sono conformi ai requisiti specificati nel Regolamento di certificazione "Plastica Seconda Vita" Ed. 2 rev. 1 del 10/2022, che include il rispetto dei requisiti della norma EN 15343:2007.

Il produttore, sottoposto a sorveglianza continua da parte di IIP Srl, è quindi autorizzato ad apporre sui prodotti certificati il marchio "Plastica Seconda Vita" PSV/SI con numero distintivo **5723** ed utilizzarlo in conformità alle prescrizioni del Regolamento per l'uso del marchio PSV Ed. 2 rev. 5 del 10/2022.

Il presente certificato di conformità è valido, salvo modifica, sospensione o revoca, fino al **20/11/2027**.

IIP Srl certifies that the above listed products obtained from the use of recycled materials comply with the requirements specified in the "Rules for the PSV certification" ed. 2 rev. 1 issued 10/2022, that includes the compliance with EN 15343:2007 requirements.

*The Manufacturer, which is subjected to continuous surveillance by IIP Srl, is so entitled to put on the certified products the "Plastica Seconda Vita" PSV/SI mark with the distinctive number **5723** and to use it in compliance with the "Rules for the use of PSV mark" ed. 2 rev. 5 issued 10/2022.*

*This certificate of conformity is valid, unless modification, suspension or revocation, until **20/11/2027**.*

Prima emissione **21/11/2024**
First issue

Emissione corrente **21/11/2024**
Current issue

Scadenza **20/11/2027**
Expiry



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PRD N° 0006PRD

Membro degli Accordi di Mutuo
Riconoscimento EA, IAF e ILAC

IIP Srl

L'Amministratore Delegato
(Mauro La Ciamera)

