



**ENNEATECH**  
ENGINEERING POLYMERS

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# ENTRON eco

reliable, ecological,  
powerful

## ENTRON eco

Top-quality polyamide  
granules



**-90% CO<sub>2</sub>**

compared to  
new goods

ENTRON eco comprises the polyamides PA 6.6 and PA 6. The special feature of ENTRON eco is its raw materials. For its production, we primarily use synthetic fibers as a sustainable source of raw materials, which are a by-product of the "high-end textile industry". In this way, we reduce climate-damaging CO<sub>2</sub> emissions and thus improve not only our own eco-balance, but also that of our customers.

## ENTRON eco B MC

### NOTICE

The following information has been compiled to the best of our knowledge and represents the current status of our experience and knowledge. These specifications are product descriptions, however, in no case do they constitute guarantees of quality or durability. The user is obliged to carry out their own examinations and tests in their specific area of business when processing and using our products. The information cannot be transferred to other products made with our material.



## COMPANY

**ENNEATECH AG**

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## PRODUCT

Trade name	<b>ENTRON eco B MC</b>
Article number	<b>16180</b>
Polymer	<b>PA 6</b>
Colour	<b>Multi-coloured</b>
Melting temperature	<b>220 - 230 °C (DSC)</b>
Filler content	<b>No glass fibre and no mineral added</b>
Shape of the granules	<b>Cylindrical</b>

## PROPERTIES

Charpy impact strength	[DIN EN ISO 179-1/1eU]	<b>80 - 100</b>	[kJ/m <sup>2</sup> ]
Charpy notched impact strength	[DIN EN ISO 179-1/1eA]	<b>4 - 7</b>	[kJ/m <sup>2</sup> ]
Tensile modulus	[DIN EN ISO 527-2 /1A]	<b>2900 - 3200</b>	[MPa]
Tensile strength	[DIN EN ISO 527-2 /1A]	<b>75 - 85</b>	[MPa]
Elongation at break	[DIN EN ISO 527-2 /1A]	<b>20 - 30</b>	[%]
Relative viscosity	[ISO 307 / Sulfuric acid, 25 °C]	<b>2.6 - 2.9</b>	[kJ/m <sup>2</sup> ]
Viscosity number	[ISO 307 / Sulfuric acid, 25 °C]	<b>142 - 165</b>	[ml/g]
Ash content	[600 °C, Muffle furnace]	<b>&lt; 0.6</b>	[%]

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## PROCESSING

Predrying	> 4h	60 - 80	[°C]
Melt temperature	< 10 min	225 - 260	[°C]
Mold temperature		60 - 80	[°C]

## INFORMATION

Quality management	<a href="#"><u>ISO 9001 Certificate</u></a>		
Energy management	<a href="#"><u>ISO 50001 Certificate</u></a>		
Data quality level	DQL-4 acc. DIN SPEC 91446:2021-12		
Application	Injection moulding & extrusion		
Packaging	silo, bigbag, octabin		
Certificate of analysis	Available for each delivery (APZ 3.1 acc. DIN EN 10204)		
Product data sheet	<a href="#"><u>ENTRON eco B</u></a>	Technical data & specifications	
Material safety information	<a href="#"><u>ENTRON eco B</u></a>	Product safety	
Yearly compliance statement	<a href="#"><u>ENTRON eco A &amp; B</u></a>	Regulations & yearly tests	
Environmental product declaration	<a href="#"><u>ENTRON eco B</u></a>	EPD: LCA,GWP, PCF	

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