

Technical Data Sheet

**Ecolent PC/ABS-406E**

Polycarbonate + ABS
LyondellBasell Industries
Engineering Plastics

Product Description

Polycarbonate+ABS, Injection Grade

Recycled Content
Available in Black and Medium to Dark Grey
Add "R" for Added Release
Add "U" for UV Stabilized
Easy Flow
Superior Ductility
Post-industrial Recyclate
Low Carbon Footprint

General

Material Status	• Commercial: Active		
Availability	• North America		
Recycled Content	• Post-Industrial (PIR)/Pre-Consumer		
Features	• Ductile	• Good Flow	• Reduced Carbon Footprint
Appearance	• Black	• Grey	
Processing Method	• Injection Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.13	1.13 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	6.0 g/10 min	6.0 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	8500 psi	58.6 MPa	ASTM D638
Tensile Elongation (Break)	> 10 %	> 10 %	ASTM D638
Flexural Modulus	310000 psi	2140 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (0.125 in (3.18 mm))	4.0 ft-lb/in	210 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed	234 °F	112 °C	
264 psi (1.8 MPa), Unannealed	225 °F	107 °C	

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

© LyondellBasell Industries Holdings, B.V. 2024

Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification,

Technical Data Sheet

**Ecollent PC/ABS-406E**

Polycarbonate + ABS
LyondellBasell Industries
Engineering Plastics

either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

Trademarks

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.