

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

Recycled Content	• Yes	
Features	• Ductile	• Good Flow
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.