

Technical Data Sheet

Accucomp ABS801L

Acrylonitrile Butadiene Styrene
LyondellBasell Industries
Engineering Plastics

General

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| Features | • Medium Impact Resistance |
| Forms | • Pellets |

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
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Density / Specific Gravity	1.04	1.04 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 Kg)	2.0 g/10 min	2.0 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
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Tensile Modulus	276000 psi	1900 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	5370 psi	37.0 MPa	
Break	5080 psi	35.0 MPa	
Tensile Elongation			ASTM D638
Yield	3.0 %	3.0 %	
Break	14 %	14 %	
Flexural Modulus	377000 psi	2600 MPa	ASTM D790
Flexural Strength	9140 psi	63.0 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
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Notched Izod Impact	4.8 ft·lb/in	260 J/m	ASTM D256
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Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
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Rockwell Hardness (R-scale)	102	102	ASTM D785
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Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
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Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	183 °F	84.0 °C	
264 Psi (1.8 Mpa), Unannealed	163 °F	73.0 °C	

Notes

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