

Technical Data Sheet

Accucomp ASA002L

Acrylonitrile Styrene Acrylate
 LyondellBasell Industries
 Engineering Plastics

General

Forms • Pellets

Physical **Nominal Value (English)** **Nominal Value (SI)** **Test Method**

Density / Specific Gravity	1.06	1.06 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
200°c/5.0 Kg	2.5 g/10 min	2.5 g/10 min	
220°c/10.0 Kg	25 g/10 min	25 g/10 min	

Mechanical **Nominal Value (English)** **Nominal Value (SI)** **Test Method**

Tensile Modulus	276000 psi	1900 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	6820 psi	47.0 MPa	
Break	4640 psi	32.0 MPa	
Tensile Elongation			ASTM D638
Yield	4.0 %	4.0 %	
Break	35 %	35 %	
Flexural Modulus	312000 psi	2150 MPa	ASTM D790
Flexural Strength	9720 psi	67.0 MPa	ASTM D790

Impact **Nominal Value (English)** **Nominal Value (SI)** **Test Method**

Notched Izod Impact (0.125 In (3.18 Mm))	2.3 ft·lb/in	130 J/m	ASTM D256
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Hardness **Nominal Value (English)** **Nominal Value (SI)** **Test Method**

Rockwell Hardness (R-scale)	106	106	ASTM D785
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Thermal **Nominal Value (English)** **Nominal Value (SI)** **Test Method**

Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	199 °F	93.0 °C	
264 Psi (1.8 Mpa), Unannealed	172 °F	78.0 °C	

Notes

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