

Technical Data Sheet

Accucomp ASA003L

Acrylonitrile Styrene Acrylate

LyondellBasell Industries

Engineering Plastics

General			
Forms	• Pellets		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.07	1.07 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 Kg)	11 g/10 min	11 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	247000 psi	1700 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	5950 psi	41.0 MPa	
Break	4640 psi	32.0 MPa	
Tensile Elongation			ASTM D638
Yield	3.0 %	3.0 %	
Break	30 %	30 %	
Flexural Modulus	305000 psi	2100 MPa	ASTM D790
Flexural Strength	8700 psi	60.0 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (0.125 In (3.18 Mm))	4.9 ft·lb/in	260 J/m	ASTM D256
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	97	97	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	185 °F	85.0 °C	
264 Psi (1.8 Mpa), Unannealed	158 °F	70.0 °C	

Notes

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