

Technical Data Sheet

Ronfalin ABS 609 WHI 1-0884 (2097)



Acrylonitrile Butadiene Styrene

Product Description

This grade offers an excellent combination of mechanical properties with high flow resulting in faster cycling times and higher production rates. Typically used for shower applications and bathroom accessories.

Regulatory Status

For regulatory compliance information, see *Ronfalin* ABS 609 WHI 1-0884 (2097) [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Limited Issue
Availability	Africa-Middle East; Asia-Pacific; Europe; Latin America
Processing Method	Injection Molding
Attribute	High Flow
Resin ID	ABS

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (220 °C/10.0 kg)	33	cm ³ /10 min	ISO 1133
Density, (Method A)	1.05	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield	48	MPa	ISO 527-2
Flexural Modulus	2600	MPa	ISO 178
Flexural Stress	88	MPa	ISO 178
Impact			
Notched Izod Impact Strength	11	kJ/m ²	ISO 180
Hardness			
Rockwell Hardness, (R-Scale)	110		ISO 2039-2
Thermal			
Vicat Softening Temperature, (B (50N), 50 °C/h)	94.0	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa)	95	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	91	°C	ISO 75-2/A
UL Information			
Flame Rating, (1.6 mm)	HB		UL 94

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.

Company Information

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

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