

Technical Data Sheet



Polyflam RABS 90000 UV5

Acrylonitrile Butadiene Styrene
LyondellBasell Industries
Engineering Plastics

Product Description

ABS Flame Retardant

General

Material Status	• Commercial: Active	
Availability	• Latin America	• North America
Features	• Flame Retardant	
Processing Method	• Injection Molding	
Part Marking Code (ISO 11469)	• ABS FR17	
Resin ID (ISO 1043)	• ABS FR17	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.20 g/cm ³	1.20 g/cm ³	ISO 1183/A
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus (73°F (23°C))	319000 psi	2200 MPa	ISO 527-1/1A/1
Tensile Stress (Yield, 73°F (23°C))	6090 psi	42.0 MPa	ISO 527-2/1A/50
Tensile Strain (Break, 73°F (23°C))	3.0 %	3.0 %	ISO 527-2/1A/50
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	4.8 ft·lb/in ²	10 kJ/m ²	ISO 179/1eA
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	176 °F	80.0 °C	ISO 75-2/Ae
Vicat Softening Temperature	221 °F	105 °C	ISO 306/A50

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Injection Notes

Mould surface contacting melt should
be of non-corrosive steel (content of chrome > 12%)

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.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

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

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