

Technical Data Sheet

Vitamide BS10 BLACK 1393/1



Acrylonitrile Butadiene Styrene

Product Description

Vitamide BS10 BLACK 1393/1 is a Acrylonitrile Butadiene Styrene material. Features include: High Gloss, and High Impact Resistance.

Regulatory Status

For regulatory compliance information, see *Vitamide* BS10 BLACK 1393/1 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Europe; Latin America; North America
Attribute	High Gloss; High Impact Resistance
Additive	Antistatic
Application	Safety Helmets

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (220 °C/10.0 kg)	15	g/10 min	ISO 1133
Density	1.05	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield, (50 mm/min)	40.0	MPa	ISO 527-2
Flexural Modulus	2000	MPa	ISO 178
Impact			
Notched Izod Impact Strength, (Type 1, Notch A)	40	kJ/m ²	ISO 180
Hardness			
Ball Indentation Hardness	80	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (B (50N), 50 °C/h)	95.0	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa)	94	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	91	°C	ISO 75-2/A
Electrical			
Dielectric Strength	>25	kV/mm	IEC 60243-1
Comparative Tracking Index (CTI), (Solution A)	>600	V	IEC 60112
Surface Resistivity	1E+16	ohm	IEC 60093
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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