

Technical Data Sheet

Vitamide BS10BK 2-0400D



Acrylonitrile Butadiene Styrene

Product Description

Vitamide BS10BK 2-0400D is a Acrylonitrile Butadiene Styrene material. Features include: High Gloss, and High Impact Resistance.

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