

Technical Data Sheet

Diamond ABS TR5000 ASPL 6BUE



Acrylonitrile Butadiene Styrene

Product Description

Diamond ABS TR5000 ASPL 6BUE is a Acrylonitrile Butadiene Styrene material.

Forms	Pellets
Appearance	Clear/Transparent
Additive	Antistatic

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (200 °C/5.0 kg)	2.4	g/10 min	ASTM D1238
Density - Specific Gravity	1.06	g/cm³	ASTM D792
Mechanical			
Tensile Strength at Yield, (51 mm/min)	50.8	MPa	ASTM D638
Flexural Modulus, (1.3 mm/min)	2760	MPa	ASTM D790
Impact			
Notched Izod Impact, (3.18 mm, Method A)	120	J/m	ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	112		ASTM D785
Thermal			
Deflection Temperature Under Load Annealed (264 psi), (3.18 mm)	82.8	°C	ASTM D648
Deflection Temperature Under Load Unannealed (264 psi), (3.18 mm)	65.0	°C	ASTM D648
Electrical			
Volume Resistivity	1000000000 0	ohm*cm	ASTM D257
Surface Resistivity	1000000000 0	ohm	ASTM D257
UL Information			
Flame Rating	HB		UL 94
UL File Number, (USA)	E150937		