

Technical Data Sheet

***Diamond* ABS827LA10524 GREYGRY**

Acrylonitrile Butadiene Styrene

Product Description*Diamond* ABS827LA10524 GREYGRY is a Acrylonitrile Butadiene Styrene material. Features include: Platable.

Attribute Platable

Forms Pellets

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (200 °C/5.0 kg)	1.8	g/10 min	ASTM D1238
Density - Specific Gravity	1.05	g/cm ³	ASTM D792
Mechanical			
Tensile Elongation at Yield	4	%	ASTM D638
Tensile Strength at Yield	54	MPa	ASTM D638
Tensile Strength at Break	35	MPa	ASTM D638
Flexural Modulus	2700	MPa	ASTM D790
Tensile Elongation at Break	20	%	ASTM D638
Tensile Modulus	1800	MPa	ASTM D638
Flexural Strength	75	MPa	ASTM D790
Impact			
Notched Izod Impact, (3.18 mm)	310	J/m	ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	109		ASTM D785
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	76	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	90	°C	ASTM D648