

Diamond ABS 3501 Black 1300

Acrylonitrile Butadiene Styrene
Network Polymers, Inc.

Message:

Diamond ABS 3501 Black 1300 is an Acrylonitrile Butadiene Styrene (ABS) product. It is available in North America. Typical application: Food Contact Applications.
Characteristics include:
Flame Rated
REACH Compliant
RoHS Compliant
WEEE Compliant
Impact Resistant

General Information			
UL YellowCard	E51193-101898787		
Features	High Impact Resistance		
Agency Ratings	EC 1907/2006 (REACH)		
	EU 2002/96/EC (WEEE)		
	FDA Unspecified Rating		
RoHS Compliance	RoHS Compliant		
UL File Number	E150937		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) ¹ (200°C/5.0 kg)	1.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	108		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	44.8	MPa	ASTM D638
Flexural Modulus - Tangent ³	2340	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	320	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed, 3.18 mm	77.2	°C	
1.8 MPa, Annealed, 3.18 mm	93.9	°C	
Vicat Softening Temperature	104	°C	ASTM D1525 ⁴
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
NOTE			

1.	Procedure A
2.	51 mm/min
3.	1.3 mm/min
4.	Loading 1 (10 N)

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