

CERTENE™ AT5500

Acrylonitrile Butadiene Styrene
Muehlstein

Message:

CERTENE™ AT5500 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in North America. Primary attribute of CERTENE™ AT5500: Flame Rated.

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
200°C/5.0 kg	1.0	g/10 min	
230°C/3.8 kg	26	g/10 min	
Molding Shrinkage - Flow	0.30 to 0.60	%	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	44.1	MPa	ASTM D638
Flexural Modulus ²	2150	MPa	ASTM D790
Flexural Strength ³	71.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.18 mm	220	J/m	
23°C, 6.35 mm	150	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	81.1	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.59 mm	HB		
2.54 mm	HB		
3.18 mm	HB		
NOTE			
1.	5.0 mm/min		
2.	2.8 mm/min		
3.	2.8 mm/min		

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