

CERTENE™ 780

Acrylonitrile Butadiene Styrene
Muehlstein

Message:

CERTENE™780 is an acrylonitrile butadiene styrene (ABS) material. This product is available in North America. CERTENE™The main characteristics of the 780 are: flame retardant/rated flame.

General Information			
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
220°C/10.0 kg	12	g/10 min	ASTM D1238
230°C/3.8 kg	3.6	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 - 0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	109		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2550	MPa	ASTM D638
Tensile Strength (Yield)	42.1	MPa	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Modulus	2620	MPa	ASTM D790
Flexural Strength (Yield)	72.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C, 3.18 mm	64	J/m	ASTM D256
23°C, 3.18 mm	370	J/m	ASTM D256
23°C, 12.7 mm	210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 12.7mm	91.7	°C	ASTM D648
0.45 MPa, annealed, 12.7mm	99.4	°C	ASTM D648
1.8 MPa, unannealed, 12.7mm	85.0	°C	ASTM D648
1.8 MPa, annealed, 12.7mm, molded	102	°C	ASTM D648
1.8 MPa, annealed, 12.7mm	94.4	°C	ASTM D648
Vicat Softening Temperature	106	°C	ASTM D1525 ¹
CLTE - Flow	9.0E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	HB		UL 94

3.00 mm	HB	UL 94
NOTE		

1. 标准 B (120°C/h)

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