

# Generic Nylon 12 - Unspecified

Polyamide 12

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic Nylon 12 - Unspecified  
This information is provided for comparative purposes only.

General Information			
Filler / Reinforcement		Filler	
Physical	Nominal Value	Unit	Test Method
Density	1220	kg/m <sup>3</sup>	ISO 1183 <sup>1</sup>
Melt volume-flow rate	3.63	cm <sup>3</sup> /10min	ISO 1133 <sup>2</sup>
Mechanical	Nominal Value	Unit	Test Method
Tensile modulus	3860	MPa	ISO 527-2 <sup>3</sup>
Impact	Nominal Value	Unit	Test Method
Charpy notched impact strength			ISO 179/1eA <sup>4</sup>
-30°C	11.0	kJ/m <sup>2</sup>	
23°C	13.5	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2 <sup>5</sup>
0.45 MPa	159	°C	
1.8 MPa	117	°C	
Vicat Softening Temperature (50°C/h, B (50N))	157	°C	ISO 306 <sup>6</sup>
CLTE - Flow	6.5E-5	cm/cm/°C	ISO 11359-2 <sup>7</sup>
Electrical	Nominal Value		Test Method
Relative Permittivity			IEC 60250 <sup>8</sup>
100 Hz	4.50		
1 MHz	4.00		
Dissipation Factor			IEC 60250 <sup>9</sup>
100 Hz	0.087		
1 MHz	0.028		
NOTE			

1.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
2.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
3.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.

4.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
5.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
6.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
7.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
8.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
9.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.

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