

## Ovation Polymers Nemcon™ H ES DP110/X3 Polycarbonate Alloy

Category : Polymer , Thermoplastic , Polycarbonate (PC)

**Material Notes:**

Polycarbonate alloy-Thermally conducting, electrically insulating grade with high HDT and improved processability.Information provided by Ovation Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ovation-Polymers-Nemcon-H-ES-DP110X3-Polycarbonate-Alloy.php](http://www.lookpolymers.com/polymer_Ovation-Polymers-Nemcon-H-ES-DP110X3-Polycarbonate-Alloy.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.49 g/cc	1.49 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	47.0 MPa	6820 psi	50 mm/min; ASTM D638
Elongation at Break	1.7 %	1.7 %	50 mm/min; ASTM D638
Tensile Modulus	3.175 GPa	460.5 ksi	50 mm/min; ASTM D638
Flexural Strength	75.0 MPa	10900 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	7.35 GPa	1070 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.187 J/cm @Temperature 23.0 °C	0.350 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Thermal Conductivity	3.50 W/m-K	24.3 BTU-in/hr-ft <sup>2</sup> -°F	ASTM E-1461
Deflection Temperature at 1.8 MPa (264 psi)	113 °C @Thickness 3.20 mm	235 °F @Thickness 0.126 in	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	8.00e+12 ohm	8.00e+12 ohm	ASTM D257

## Contact Songhan Plastic Technology Co.,Ltd.

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