

Ovation Polymers Nemcon™ E HDPE 11000 HDPE

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

Material Notes:

HDPE-ESD Range Conductivity with improved processability and UV resistance. Information provided by Ovation Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ovation-Polymers-Nemcon-E-HDPE-11000-HDPE.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.990 g/cc	0.990 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	23.0 MPa	3340 psi	50 mm/min; ASTM D638
Tensile Strength, Yield	25.0 MPa	3630 psi	50 mm/min; ASTM D638
Elongation at Break	12 - 15 %	12 - 15 %	50 mm/min; ASTM D638
Tensile Modulus	0.820 GPa	119 ksi	50 mm/min; ASTM D638
Flexural Strength	23.0 MPa	3340 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	0.510 GPa	74.0 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.400 J/cm @Temperature 23.0 °C	0.749 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C @Thickness 3.20 mm	122 °F @Thickness 0.126 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	3000 ohm	3000 ohm	ASTM D257

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