

Dissipative Polystyrene - IDPPS

(Part No.: 5216.x)



Electrostatic dissipative polystyrene sheets for vacuum forming.

- Safe storage of ESD sensitive devices
- Made of IDP (Inherently Dissipative Polymers)
- Permanently static dissipative
- No migration
- No contamination
- Dissipation through network forming
- Humidity independent
- Non sparking
- Low outgasing
- Multilayer material
- Complies with EN 61340-5-1 and ANSI/ESD S20.20-1999
- Colour: yellow (other colours available on request)
- Recyclable



Available in rolls or plates

Width range: 350 – 800 mm

Thickness range: 0,4 – 1,0 mm (rolls)
2,0 – 5,0 mm (plates)



Electrical properties:

	Typical values	Standard
Surface resistance R_s Point to point resistance R_p	10^9 to $10^{10} \Omega$	EN 61340-5-1 EN 61340-2-3
Static decay	< 1 sec.	EN 61340-5-1

Technical Information

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Mechanical properties:

	Test method	Value
Density at 23°C	ISO R1183	1,07 g/cm ³
Hardness ¹	ISO 868	65 Shore D
Deflection temperature (at 0,45 N/mm ² load)	ISO 75	82 °C
Vicat softening point ² (Rate A)	ISO 306 method A50	98 °C
Melt index 200°C / 5kg	ISO 1133	5 g/10min
Flexural modulus (elasticity)	ISO 178	1600 Mpa (N/mm ²)
Yield strength ²	ISO R527	22 Mpa (N/mm ²)
Tensile strength ²	ISO R527	22 Mpa (N/mm ²)
Elongation at yield ²	ISO R527	70 %
Elongation at break ²	ISO R527	4 %
Impact strength ² (thickness 4mm 23°C)	ISO 180	60 kJ/m ²
Mould shrinkage ²	ISO 294-4	0,5 – 0,7 %

¹ test specimen 1 mm thickness

² test specimen 4 mm thickness



Sample of vacuum formed IDP tray