



Product Data Sheet

ICORENE® C-420	Density	0.931	g/cc
Conductive PE rotational molding resin	MFI	5.0	g/10 min

PRODUCT DESCRIPTION

ICORENE® C-420 is a specially designed powder resin for electrically semi-conductive rotationally molded applications.

KEY CHARACTERISTICS

- Permanent semi-conductivity
- Low warping
- Good processing
- High level of UV stabilizer
- Excellent stiffness

PHYSICAL PROPERTIES

PROPERTY NAME ⁽¹⁾	TEST METHOD	UNIT	VALUE
Melt Index (190°C / 2.16 kg)	ASTM D1238	g/10 min	5.0
Density	ASTM D1505	g/cc	0.931
Flexural Modulus (1% Secant)	ASTM D1790	MPa	699
Tensile Strength (Yield)	ISO R 52	MPa	20
Typical Surface Resistance	IEC 61340-2-3	Kilo Ohms	1.4x10 ⁵
Typical Surface Resistivity	IEC 61340-2-3	Kilo Ohms/square	3-50
Maximum Surface Resistivity	IEC 61340-2-3	Ohms/square	< 1x10 ⁶
Typical Volume Resistance (1/8 " specimen)	IEC 61340-2-3	Kilo Ohms	25-110
Typical Volume Resistivity	IEC 61340-2-3	Kilo Ohms*cm	520-2200
Low Temp Impact (1/8" specimen)	ARM low temp impact	ft*lbs	19

(1) The values indicated in the table describe typical properties; they do not constitute specification limits.

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For further information on this or any other ICO Polymers product contact your local ICO Polymers account manager or visit www.icopolymers.com.

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