

Technical Data Sheet

Icorene C-420

Polyethylene
LyondellBasell Industries
Rotomolding

Product Description

ICORENE® C-420 is a permanent semi-conductive rotational molding polyolefin compound that offers the same degree of static dissipation properties, processability, and UV stability as our C-517, but with higher stiffness.

General

Additive	• UV Stabilizer		
Features	• Good Processability • High Stiffness	• Low Warpage • Semi Conductive	• UV Resistant
Uses	• Closures • Housings	• Industrial Applications • Semiconductive Shield	• Trays
Forms	• Powder		
Processing Method	• Rotational Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.931 g/cm ³	0.931 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg)	5.0 g/10 min	5.0 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield)	2900 psi	20.0 MPa	ISO 527-2
Flexural Modulus - 1% Secant	101000 psi	699 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Low Temperature Impact (0.13 In (3.18 Mm))	1.58 ft·lb/in	84.5 J/m	ARM
Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Surface Resistivity	1.0E+6 ohms	1.0E+6 ohms	IEC 61340-2-3
Volume Resistivity	2.3E+6 ohms·cm	2.3E+6 ohms·cm	IEC 61340-2-3
Surface Resistance (0.13 In (3.18 Mm))	100	100	IEC 61340-2-3
Volume Resistance (0.13 In (3.18 Mm))	1.0E+2 ohms	1.0E+2 ohms	IEC 61340-2-3

Notes

These are typical property values not to be construed as specification limits.