Icorene C-517B CONDUCTIVE BLACK

LyondellBasell Industries - Polyethylene Copolymer

General Information

Product Description

Icorene C-517B is designed for rotational molding applications where the final part is to be used in statically sensitive environments. C-517B is a permanent semi-conductive polyolefin compound that has excellent surface and volume resistivity to dissipate static charges, and is fully UV stabilized with good flow and impact properties.

General

Additive	• UV Stabilizer		
Features	• Good Processability • Good Toughness • High Flow	• High Impact Resistance • Low Warpage • Semi Conductive	• UV Resistant • UV Stabilized
Uses	• Closures • Housings	• Industrial Applications • Semiconductive Shield	• Trays
Appearance	• Black		
Forms	• Powder		
Processing Method	• Rotational Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	0.937	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield, Rotational Molded)	2390	psi	ASTM D638
Tensile Elongation (Yield, Rotational Molded)	150	%	ASTM D638
Flexural Modulus - 1% Secant (Rotational Molded)	87000	psi	ASTM D790
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 psi, Unannealed, Rotational Molded	148	°F	
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed, Rotational Molded	111	°F	
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	< 1.0E+6	ohms	IEC 61340-2-3
Volume Resistivity	< 2.3E+4	ohms·m	IEC 61340-2-3