



Eltex® LRB 711

Product Technical Information

Eltex® LRB 711 is a black compound of high density, high molecular weight polyethylene. It is specially designed for use in the manufacture of electrically conductive parts.

Characteristics

- excellent anti-static properties
- excellent cold impact strength
- very good environmental stress crack resistance

Applications

- Car fuel tank filler pipes
- Parts requiring anti-static properties

Properties	Test Method	Value	Units
Physical			
Density (annealed)	ISO 1183/A	995	kg/m ³
Melt Flow Rate (21.6kg)	ISO 1133-1997 cond G	1.5	g/10min
Mechanical			
Tensile Modulus (23°C)	ISO 527/1B	1200	MPa
VICAT Softening Temperature under 1 kg	ISO 306	127	°C
VICAT Softening Temperature under 5 kg	ISO 306	87	°C
Shore D Hardness (23°C)	ASTM D 2240	65	-
Surface resistivity		<10 ⁴	Ω/m
Coefficient of Linear Expansion	ASTM D 696	1.3x10 ⁻⁴	K ⁻¹

The values given are typical values measured on the product. These values should not be considered as specifications.