

Eltex® LRB711

High Density (HMW) Polyethylene

INEOS Olefins & Polymers Europe

Message:

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

General Information			
Additive	Antistatic property		
Features	High ESCR (Stress Cracking Resistance)		
	High molecular weight		
	Antistatic property		
	Low temperature impact resistance		
Uses	Electrical components		
	Fuel line		
Agency Ratings	EU 94/62/EC		
Appearance	Black		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.995	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	1.5	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 23°C)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1200	MPa	ISO 527-2/1B
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	127	°C	ISO 306/A
--	87.0	°C	ISO 306/B
CLTE - Flow	1.3E-4	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+4	ohms	ASTM D257
Additional Information			

Surface Resistivity, ASTM D257: <1.0E+4

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