INEOS CFT LRB711

High Density (HMW) Polyethylene

INEOS Olefins & Polymers Europe

Technical Data

Product Description

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

Material Status	• Commercial: Active	
Literature [1]	• Technical Datasheet (English)	
Search for UL Yellow Card	• INEOS Olefins & Polymers Europe	
Availability	• Europe	
Additive	• Antistatic	
Features	• Antistatic • High ESCR (Stress Crack Resist.)	• High Molecular Weight • Low Temperature Impact Resistance
Uses	• Electrical Parts	• Fuel Lines
Agency Ratings	• EU 94/62/EC	
Appearance	• Black	
Forms	• Pellets	

Physical	Nominal Value	Unit	Test Method
Density	0.995	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	1.5	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	1200	MPa	ISO 527-2/1B
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D, 23°C)	65		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature			
--	127	°C	ISO 306/A
--	87.0	°C	ISO 306/B
CLTE - Flow	0.00013	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+4	ohm	ASTM D257

Additional Information

Surface Reistivity, ASTM D257: <1.0E+4

Notes

[1] These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

[2] Typical properties: these are not to be construed as specifications.