

LubX® CV

Ultra High Molecular Weight Polyethylene
Röchling Engineering Plastics SE & Co. KG

Message:

- Product characteristics
- Excellent sliding properties even at higher load
- Outstanding dry running characteristics
- Food compliant according to 10/2011/EU, 1935/2004/EC, FDA
- GMP - compliant according to 2023/2006 EC
- Typical field of application
- Conveyor Technology
- Material Handling
- Automation

General Information			
Features	Food Contact Acceptable		
	Low Friction		
	Non-Toxic		
Uses	Conveyors		
Agency Ratings	EC 1935/2004		
	EC 2023/2006		
	EU 2011/10/EC		
	FDA Unspecified Rating		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	< 0.010	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	60		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	800	MPa	ISO 527-2/1B/1
Tensile Stress (Yield)	19.0	MPa	ISO 527-2/1B/50
Tensile Strain			
Yield	18	%	ISO 527-2/1B/50
Break	> 250	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	No Break		ISO 179
Charpy Unnotched Impact Strength	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ¹	133 to 135	°C	DSC
Electrical	Nominal Value	Unit	Test Method

Surface Resistivity	> 1.0E+14	ohms	DIN VDE 0303
Volume Resistivity	> 1.0E+15	ohms·cm	DIN VDE 0303
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
3.00 mm	HB		
6.00 mm	HB		
Additional Information	Nominal Value		Test Method
Usage - Sliding properties: partner POM	0.130		Internal Method
NOTE			
1.	Crystalline grain		

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