

Kynar® 340

Polyvinylidene Fluoride

Arkema

Message:

KYNAR® 340 is a formulated conductive PVDF product for extrusion and injection molding.

General Information			
Features	Conductive		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.78	g/cm ³	ISO 1183/D
Melt Mass-Flow Rate (MFR) (230°C/10.0 kg)	4.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	76		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	40.0	MPa	ISO 527
Tensile Elongation			ISO 527
Yield, 23°C	9.0	%	
Break, 23°C	> 20	%	
Flexural Modulus (23°C)	1600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	166	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+4	ohms	IEC 60093
Volume Resistivity	> 1.0E+4	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	43	%	ASTM D2863
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (230°C, 100 sec ⁻¹)	2.50E+6	mPa · s	ASTM D3835

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