

Kynar® 3312C

Polyvinylidene Fluoride

Arkema

Message:

KYNAR® 3312C is a semi-crystalline pelletized polymer of vinylidene fluoride with an additive to promote conductivity.
KYNAR® 3312C is suitable for extrusion and injection molding applications that require both chemical resistance and up to 150°C heat resistance.

General Information			
UL YellowCard	E54699-102141664		
Additive	Unspecified Additive		
Features	Conductive		
	Good Chemical Resistance		
	High Heat Resistance		
	Semi Crystalline		
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)	11	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			ISO 527
Yield, 23°C	27.4	MPa	
Break, 23°C	27.1	MPa	
Tensile Elongation			ISO 527
Yield, 23°C	9.9	%	
Break, 23°C	> 150	%	
Flexural Modulus (23°C)	1080	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	77	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	84.0	°C	ISO 75-2/A
Melting Temperature (DSC)	165	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	< 1.1E+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	2050	Pa·s	ASTM D3835

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