

Celanex® XFR 6842 GF10

Celanese Corporation - Polybutylene Terephthalate

Monday, November 4, 2019

General Information

Product Description

Celanex XFR 6842 GF10 is a halogen and antimony free flame retardant (V-0 @ 0.4 mm) 10% glass reinforced PBT grade with good processability and no corrosive emissions during processing. It is suitable for parts requiring enhanced tracking resistance, toughness, and flame retardancy at <0.75 mm wall thickness. The product is WEEE and RoHS compliant.

General			
Material Status	Commercial: Active		
Availability	• Europe	North America	
Filler / Reinforcement	Glass Fiber, 10% Filler by Weight		
Additive	Flame Retardant		
Features	Antimony FreeFlame Retardant	 Good Processability Good Toughness	 Halogen Free Tracking Resistant
Agency Ratings	• EU 2002/96/EC (WEEE)	
RoHS Compliance	RoHS Compliant		

ASTM & ISO Properties ¹				
Nominal Value	Unit	Test Method		
1.40	g/cm³	ISO 1183		
12	cm ³ /10min	ISO 1133		
		ISO 294-4		
1.0 to 1.2	%			
1.1 to 1.3	%			
Nominal Value	Unit	Test Method		
740000	psi	ISO 527-2/1A		
10200	psi	ISO 527-2/1A/5		
3.4	%	ISO 527-2/1A/5		
Nominal Value	Unit	Test Method		
2.0	ft·lb/in²	ISO 179/1eA		
14	ft·lb/in²	ISO 179/1eU		
2.1	ft·lb/in²	ISO 180/1A		
Nominal Value	Unit	Test Method		
81		ISO 2039-2		
Nominal Value	Unit	Test Method		
343	°F	ISO 75-2/A		
401	°F	ISO 306/B50		
437	°F	ISO 11357-3		
Nominal Value	Unit	Test Method		
3.0E+15	ohms	IEC 60093		
3.0E+16	ohms·cm	IEC 60093		
2.90		IEC 60250		
0.014		IEC 60250		
450	V	IEC 60112		
Nominal Value	Unit	Test Method		
	Nominal Value 1.40 12 1.0 to 1.2 1.1 to 1.3 Nominal Value 740000 3.4 Nominal Value 2.0 14 2.1 Nominal Value 81 Nominal Value 343 401 437 Nominal Value 3.0E+15 3.0E+16 2.90 0.014	Nominal Value Unit 1.40 g/cm³ 12 cm³/10min 1.0 to 1.2 % 1.1 to 1.3 % Nominal Value Unit 740000 psi 10200 psi 3.4 % Nominal Value Unit 2.0 ft·lb/in² 14 ft·lb/in² 2.1 ft·lb/in² Nominal Value Unit 81 Nominal Value Unit 81 Nominal Value Unit 343 °F 401 °F 437 °F Nominal Value Unit 3.0E+15 ohms 3.0E+16 ohms·cm 2.90		



Celanex® XFR 6842 GF10

Celanese Corporation - Polybutylene Terephthalate

Notes

¹ Typical properties: these are not to be construed as specifications.

² 10°C/min

