

LinGen FR180

Polyphenylene Ether

Shanghai Lin Gen Rubber Materials Co., Ltd.

Message:

LinGen FR180 is a polyphenylene ether (PPE) material. This product is available in the Asia-Pacific region.

The main features of LinGen FR180 are:

flame retardant/rated flame

Flame Retardant

Halogen-free

General Information			
Features	Halogen-free		
	Flame retardancy		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	80		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	11.0	MPa	ASTM D412
Tensile Elongation (Break)	350	%	ASTM D412
Aging	Nominal Value	Unit	
Change in Tensile Strength (135°C, 168 hr)	-20	%	
Change in Ultimate Elongation (135°C, 168 hr)	-20	%	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+13	ohms·cm	ASTM D257
Dielectric Strength	28	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	2.70		ASTM D150
Dissipation Factor (1 MHz)	4.0E-3		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	70 - 80	°C	
Drying Time	4.0 - 8.0	hr	
Processing (Melt) Temp	190 - 240	°C	
Injection Pressure	40.0 - 60.0	MPa	
Extrusion	Nominal Value	Unit	
Melt Temperature	180 - 230	°C	
Extrusion instructions			
Filter: 100 - 200 mesh			

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

