

LinGen FR345

Thermoplastic Elastomer, Ether-Ester
Shanghai Lin Gen Rubber Materials Co., Ltd.

Message:

LinGen FR345 is a thermoplastic elastomer, ether-ester (TEE) material. This product is available in the Asia-Pacific region and is processed by extrusion. The main features of LinGen FR345 are:

Flame Retardant
Halogen-free

General Information			
Features	Halogen-free		
	Flame retardancy		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	45		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	22.0	MPa	ASTM D412
Tensile Elongation (Break)	370	%	ASTM D412
Aging	Nominal Value	Unit	
Change in Tensile Strength (140°C, 168 hr)	-20	%	
Change in Ultimate Elongation (140°C, 168 hr)	-20	%	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+12	ohms	ASTM D257
Dielectric Strength	25	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	5.30		ASTM D150
Dissipation Factor (1 MHz)	0.050		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame test	VW-1		UL 1581
Extrusion instructions			

Hopper Temperature: 160 - 180 °C
Transmission Temperature: 190 - 210 °C
Measurement Temperature: 190 - 220 °C
Die Temperature: 190 - 220 °C
Mesh Temperature: 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

