

# LinGen FR280

Thermoplastic Elastomer  
Shanghai Lin Gen Rubber Materials Co., Ltd.

Message:

LinGen FR280 is a thermoplastic elastomer (TPE) material. This product is available in the Asia-Pacific region and is processed by extrusion or injection molding.

The main features of LinGen FR280 are:

Flame Retardant

Halogen-free

General Information			
Features	Halogen-free		
	Flame retardancy		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	80		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	14.0	MPa	ASTM D412
Tensile Elongation (Break)	420	%	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
Surface Resistivity	> 1.0E+12	ohms	ASTM D257
Dielectric Strength	22	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	5.50		ASTM D150
Dissipation Factor (1 MHz)	0.050		ASTM D150
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	

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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

