

LinGen FR298

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

Message:

LinGen FR298 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 FR298 are:
Flame Retardant
Halogen-free

General Information	
Features	Halogen-free
	Flame retardancy

Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
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Specific Gravity	1.20	g/cm ³	ASTM D792
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Hardness	Nominal Value	Unit	Test Method
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Durometer Hardness (Shore D)	50		ASTM D2240
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Elastomers	Nominal Value	Unit	Test Method
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Tensile Strength (Yield)	27.0	MPa	ASTM D412
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Tensile Elongation (Break)	350	%	ASTM D412
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Aging	Nominal Value	Unit	
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Change in Tensile Strength (135°C, 168 hr)	-20	%	
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Change in Ultimate Elongation (135°C, 168 hr)	-20	%	
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Electrical	Nominal Value	Unit	Test Method
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Surface Resistivity	> 1.0E+12	ohms	ASTM D257
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Dielectric Strength	25	kV/mm	ASTM D149
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Dielectric Constant (1 MHz)	5.00		ASTM D150
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Dissipation Factor (1 MHz)	0.050		ASTM D150
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Injection	Nominal Value	Unit	
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Drying Temperature	70 - 80	°C	
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Drying Time	4.0 - 8.0	hr	
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Processing (Melt) Temp	190 - 240	°C	
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Injection Pressure	40.0 - 60.0	MPa	
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Extrusion	Nominal Value	Unit	
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Melt Temperature	180 - 230	°C	
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