Telcar® TL-2895E X (PRELIMINARY DATA)

Thermoplastic Elastomer

Teknor Apex Company

Message:

Telcar®TL-2895E X (PRELIMINARY DATA) is a thermoplastic elastomer (TPE) material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is extrusion or injection molding.
Telcar®The main features of TL-2895E X (PRELIMINARY DATA) are:
ROHS certification
high strength
daylight resistance
Halogen-free
Typical application areas include:
Wire and cable
Electrical/electronic applications

General Information	
Features	Low Specific Gravity
	Sunlight Resistant
	Low density
	High elasticity
	High tensile strength
	Light stabilization
	Low liquidity
	Ablation resistance
	Fill
	General
	Halogen-free
	Extended tensile rate
	Medium hardness
	UV absorption
Uses	Underground cable
	Cable sheath
	Electrical wire sheath material
	Electrical conductor insulation material
	Wire and cable applications
	Wire sheath
	Industrial cable insulation material
	Connector
	cord sheath
	Terminal cable sheath material
RoHS Compliance	RoHS compliance

Appearance	Opacity
Forms	Particle
Processing Method	Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.878	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	5.5	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shaw A, 1 sec	85		ASTM D2240
Shaw A, 5 seconds	80		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [1]			ASTM D412
Transverse flow: 100% strain	4.08	MPa	ASTM D412
Flow: 100% strain	5.81	MPa	ASTM D412
Transverse flow: 300% strain	5.19	MPa	ASTM D412
Flow: 300% strain	7.19	MPa	ASTM D412
Tensile Strength [2]			ASTM D412
Transverse flow: Fracture	18.1	MPa	ASTM D412
Flow: Fracture	10.1	MPa	ASTM D412
Tensile Elongation [3]			ASTM D412
Transverse flow: Fracture	810	%	ASTM D412
Flow: Fracture	580	%	ASTM D412
Tear Strength [4]			ASTM D624
Transverse flow	58.7	kN/m	ASTM D624
Flow	55.5	kN/m	ASTM D624
Compression Set [5]			ASTM D395B
23°C, 22 hr	23	%	ASTM D395B
70°C, 22 hr	79	%	ASTM D395B
Injection	**Nominal Value**	**Unit**	
Rear Temperature	199 - 216	°C	
Middle Temperature	213 - 221	°C	
Front Temperature	221 - 227	°C	
Nozzle Temperature	221 - 229	°C	
Processing (Melt) Temp	221 - 229	°C	
Mold Temperature	25 - 66	°C	
Injection Pressure	1.38 - 6.89	MPa	
Injection Rate	Moderate-Fast		
Back Pressure	0.172 - 0.345	MPa	
Screw Speed	50 - 100	rpm	
Cushion	3.81 - 25.4	mm	

Injection instructions		
无需干燥.但如果湿度过大,则将粒料在150°F (65°C)的温度下干燥2-4小时.		
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	193 - 210	°C
Cylinder Zone 2 Temp.	199 - 216	°C
Cylinder Zone 3 Temp.	213 - 221	°C
Cylinder Zone 5 Temp.	221 - 227	°C
Die Temperature	221 - 229	°C
Extrusion instructions		
螺杆转速30 - 100 rpm		
NOTE		
1.	C mold, 510mm/min	
2.	C mold, 510mm/min	
3.	C mold, 510mm/min	
4.	C mold, 510mm/min	
5.	Type 1	

Recommended distributors for this material

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WECHAT