Sarlink® TPE ML-1660N NAT (PRELIMINARY DATA)

Thermoplastic Elastomer

Teknor Apex Company

Message:

Sarlink ML-1600 series is a high performance, high flow thermoplastic elastomer series, available in NAT and BLK designed for automotive interior applications. Sarlink ML-1660N NAT is a medium hardness, medium density grade with excellent surface appearance suitable for injection molding.

General Information			
Features	Sunlight Resistant		
	Good formability		
	Good flexibility		
	Good tear strength		
	Good adhesion		
	Medium liquidity		
	Good chemical resistance		
	Good toughness		
	Fill		
	Excellent appearance		
	Elastic		
	Medium density		
	Medium hardness		
Uses	Washer		
	Application in Automobile Field		
	Car interior parts		
	Soft touch application		
	Soft handle		
	Rubber substitution		
	Knob		
RoHS Compliance	RoHS compliance		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.990	g/cm³	ISO 1183

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	%	
		ISO 37
	%	ISO 37
		ISO 34-1
	kN/m	ISO 34-1
	kN/m	ISO 34-1
		ISO 815
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ninal Value	Unit	Test Method
		ISO 188
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Shao A, 110°C, 1008 hr ¹⁰	3.6		ISO 188
Shao A, 125°C, 168 hr ¹¹	4.4		ISO 188
Shao A, 125°C, 168 hr ¹²	3.8		ISO 188
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (200°C, 206 sec^-1)	113	Pa·s	ASTM D3835
Legal statement			

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Injection	Nominal Value	Unit
Rear Temperature	171 - 193	°C
Middle Temperature	177 - 199	°C
Front Temperature	182 - 204	°C
Nozzle Temperature	188 - 210	°C
Processing (Melt) Temp	188 - 210	°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		

Drying is not necessary. However, if moisture is a problem, dry the pellets for 2 to 4 hours at 150°F (65°C).

NOTE 1. Type 1, 510mm/min 2. Type 1, 510mm/min 3. Type 1, 510mm/min 4. B method, right angle specimen (without cut), 510mm/min 5. Type a 6. Type 1 7. Type 1 8. 15 sec 10. 1 sec 11. 15 sec 12. 5 sec	, ,	
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