

Sarlink® TPE AB-1246DN

Thermoplastic Elastomer

Teknor Apex Company

Message:

Sarlink® TPE AB-1246DN 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 injection molding.

Sarlink® The typical application field of TPE AB-1246DN is: automobile industry

General Information			
Uses	Car interior parts		
Appearance	Translucent		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.6	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.4	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec)	46		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	315	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	14.7	MPa	ASTM D412
Tensile Elongation (Break)	22	%	ASTM D412
Tear Strength ²	77.1	kN/m	ASTM D1004
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (110°C, 1000 hr)	4.9	%	ASTM D471
Change in Ultimate Elongation (110°C, 1000 hr)	5.3	%	ASTM D471
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -65.0	°C	ASTM D746
Additional Information			
可燃性燃烧速率,最大100 (FMVSS 302) 合格 (0.82英寸/分钟)热变形,0.45兆帕 (64 PSI)= 58热变形,1.82兆帕 (264 PSI)= 39CLTE, 平行于流体1.47X10E-8 毫米/毫米/CCLTE, 平行于流体1.32X10E-8 毫米/毫米/C雾化3小时,100°C,冷却板 21°C,1小时后的试验值 (SAE-J1756) = 92雾化3小时,100°C,冷却板 21°C,16小时后的试验值 (SAE-J1756) = 92			
Injection	Nominal Value	Unit	
Rear Temperature	199 - 210	°C	
Middle Temperature	204 - 216	°C	
Front Temperature	210 - 221	°C	
Nozzle Temperature	216 - 227	°C	

Processing (Melt) Temp	216 - 227	°C
Mold Temperature	35.0 - 65.6	°C
Injection Pressure	1.38 - 6.89	MPa
Injection Rate	Fast	
Back Pressure	0.172 - 0.862	MPa
Screw Speed	50 - 120	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 - 204	°C
Cylinder Zone 2 Temp.	199 - 210	°C
Cylinder Zone 3 Temp.	204 - 216	°C
Cylinder Zone 5 Temp.	210 - 221	°C
Die Temperature	216 - 227	°C

Extrusion instructions

螺杆转速30 - 100 rpm

NOTE

1. 51 mm/min
2. C mould

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