

Sarlink® TPE OM-1148 BLACK 404

Thermoplastic Elastomer

Teknor Apex Company

Message:

Sarlink®TPE OM-1148 BLACK 404 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. Sarlink®The main characteristics of TPE OM-1148 BLACK 404 are: flame retardant/rated flame.
Sarlink®The typical application field of TPE OM-1148 BLACK 404 is: automobile industry

General Information	
Uses	Car interior parts
Appearance	Opacity
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.998	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	3.2	%	ASTM D955
Transverse flow	2.1	%	ASTM D955

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	45		ASTM D2240

Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	5.52	MPa	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Compression Set (23°C)	20	%	ASTM D395

Flammability	Nominal Value	Test Method
Flame Rating	HB	UL 94

Additional Information

压缩永久变形值,ASTM D395,是根据ASTM D412标准进行测试.

Injection	Nominal Value	Unit
Drying Temperature	60.0	°C
Drying Time	2.0 - 4.0	hr
Rear Temperature	138 - 160	°C
Middle Temperature	182 - 199	°C
Front Temperature	182 - 199	°C
Nozzle Temperature	193 - 210	°C
Processing (Melt) Temp	177 - 199	°C
Mold Temperature	4.44 - 48.9	°C

Injection Pressure	1.38 - 5.52	MPa
Back Pressure	0.172 - 0.862	MPa
Screw Speed	50 - 100	rpm
Cushion	3.81 - 25.4	mm

Injection instructions

潮湿会使材料降解.建议进行干燥处理.可以把材料放入除湿干燥机,在140°F的温度下干燥2-4小时.

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	138 - 149	°C
Cylinder Zone 2 Temp.	149 - 160	°C
Cylinder Zone 3 Temp.	160 - 182	°C
Cylinder Zone 5 Temp.	171 - 193	°C
Die Temperature	182 - 204	°C

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