

Rubber Coated Metal Material

金属橡胶复合材料

GP6020-SPCC-JN

产品性能

该材料为新型密封材料，通过特定的生产工艺在金属基材表面均匀涂覆橡胶层；该材料具有良好的耐热、耐久性能，并且具有极低的压强永久变形率。与传统的非金属密封材料相比，该材料具有相对较长的使用寿命，因此通常应用在压力更大、温度更高、密封要求更苛刻的使用环境中。

技术指标

项目	指标要求	
橡胶种类	丁腈发泡橡胶	
金属基材	SPCC	
外观	亚光半黑色，光滑	
总厚度 (mm)	0.60±0.15	
金属基材厚度 (mm)	0.20±0.01	
橡胶层厚度 (mm)	0.20±0.075(单面)	
最高使用温度 (°C)	≤150°C	
橡胶附着力 ASTM-D3359	100%无脱落	
胶层拉脱强度 (Mpa) ASTM-D4541-09	≥0.5	
基材硬度 (HV)	115~150	
浸渍试验:		
发动机油 130°C 24h,	厚度变化率 (%)	≤6%
	百格测试, 胶层无脱落	100%无脱落
B种燃油 常温 24h,	厚度变化率 (%)	≤8%
	百格测试, 胶层无脱落	100%无脱落
防冻冷却液 (50%) 95°C 24h	厚度变化率 (%)	≤6%
	百格测试, 胶层无脱落	100%无脱落

Description :

GP6020-SPCC -JN is a new kind of sealing material that made from special process of evenly distributed rubber coating on the surface of based metal steel core. It provides excellent performance of high-temperature resistance and sealing durability. It has a relatively long shelf life than other soft sealing materials. It's recommended to use in tough environmental condition with high temperature and pressure applications.

Technical Specifications:

Property	Specification	
Rubber Type	Foamed NBR	
Base Metal Type	SPCC	
Surface Appearance	Semi-luster black	
Overall Thickness (mm)	0.60±0.15	
Base Metal Thickness(mm)	0.20±0.01	
Rubber Coating Thickness(mm)	0.20±0.075 (per side)	
Max . Operation Temp (°C)	≤150°C	
Rating Adhesion Test ASTM-D3359	100% Residual	
Pull Off Test (Mpa) ASTM-D4541-09	≥0.5	
Base Metal Hardness (HV)	115-150	
Immersion test:		
Engine Oil 130°C 24h	Thickness Increase %	≤6%
	Cross cut test	100% residual
Fuel B RT 24h	Thickness Increase %	≤8%
	Cross cut test	100% residual
LLC 50% 95°C 24h	Thickness Increase %	≤6%
	Cross cut test	100% residual

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