

Topolymer®9210-551EJ011000

产品描述:

Topolymer®9210-551EJ011000是一种以PP/EPDM为基材的热塑性动态硫化弹性体材料。其具有很宽的应用范围,例如用于垫圈、密封系统、罩盖、电子电器领域以及其它对柔韧性和一致性有要求的领域。**Topolymer®9210-551EJ011000**可在常规热塑性注塑成型或挤出成型设备上加工。

性能特征:

优异的耐臭氧性、优异的耐挠曲疲劳性;聚烯烃基产品,可完全回收利用;符合欧盟和中国RoHS法规。

颜色:

黑色。

加工工艺:

挤出、注塑等。

典型物性:

硬度	典型值	单位	测试方法
硬度 (Hardness,5S)	56A	Shore A	ASTM D-2240
物理性能	典型值	单位	测试方法
比重 (Specific Gravity)	0.95	g/cm ³	ASTM D-792
弹性	典型值	单位	测试方法
抗拉强度(Tensile Strength)	42	Kgf/cm ²	ASTM D-412
100%定伸应力(100% Tensile Strength)	21	Kgf/cm ²	ASTM D-412
断裂延伸率(Elongation at Break)	350	%	ASTM D-412
撕裂强度 (Tear Strength-Across Flow)	21	KN/m	ASTM D624
压缩永久变形 (Compression Set 70°C×22h)	31	%	ASTM D-395B
热性能	典型值	单位	测试方法
脆化温度 (Brittleness Temperature)	-60	°C	ASTM D746
老化	典型值	单位	测试方法
热空气老化拉伸强度变化率 (Change in Tensile Strength In Air 125°C×168h)	-10	%	ASTM D573
热空气老化延伸率变化率(Change in Ultimate Elongation In Air 125°C×168h)	+15	%	ASTM D573
热空气中邵氏硬度的变化率(Change in Durometer Hardness in Air 125°C×168h)	+3	Shore A	ASTM D-2240

注: 以上数据为产品典型值, 不作为质保承诺。

Add: 10Xiyuan Road, Tianmu lake industrial park, Liyang city, Jiangsu Province,P.R.C

地址: 江苏省溧阳市天目湖工业园区溪缘路 10 号

Tel: 86-519-87966118

Fax: 86-519-87966228

E-mail: tpe@topolymer.com

成型条件:

注射	典型值
干燥温度	80℃
干燥时间	3.0hr
建议的最大水分含量	0.08%
建议的最大回收料比例	20%
螺杆后区温度	175-190℃
螺杆中区温度	180-195℃
螺杆前区温度	185-200℃
射嘴温度	185-210℃
模具温度	25-55℃
注射速度	快速
背压	0.35-0.7MPa
螺杆转速	100-200rpm
合模力	40-70MPa
螺杆长径比	16:1-24:1
螺杆压缩比	2:1-4:1
注射说明: Topolymer®TPV 与 PVC 不相容, 加工 Topolymer®TPV 前后不要在设备中残留 PVC 物料。	
挤出	典型值
干燥温度	80℃
干燥时间	3.0hr
熔体温度	175-215℃
模具温度	175-215℃
挤出说明: Topolymer®TPV 与 PVC 不相容, 加工 Topolymer®TPV 前后不要在设备中残留 PVC 物料。	

储存包装:

Topolymer® 9210-551EJ011000 用内衬 PP 的纸袋包装, 25kg/包。

本产品常温通风及不存在 PVC 条件下可保存十二个月, 如超出此时间, 建议使用前进行性能检测, 并与出厂性能指标对比确认。详细资料请参阅物质安全资料表。

Topolymer® 9210-551EJ011000**Production Description:**

Topolymer® 9210-551EJ011000 is a heat stabilized PP/EPDM based Thermoplastic Vulcanized Elastomer(TPV). This compound is intended for use in a wide range of applications such as gaskets, seals, covers, electronics or other parts where softness and conformity are needed. **9210-551EJ011000** can be processed using Injection Molding, Extrusion or other melt processing techniques.

Features:

Good resistance to ozone and excellent flex fatigue resistance.

EU and China RoHS compliant.

It is polyolefin based and completely recyclable.

Color:

Black.

Typical Property:

Hardness	Typical Value	Unit	Test Based on
Hardness,5S	56A	Shore A	ASTM D-2240
Physical	Typical Value	Unit	Test Based on
Specific Gravity	0.95	g/cm ³	ASTM D-792
Elastomers	Typical Value	Unit	Test Based on
Tensile Strength	42	Kgf/cm ²	ASTM D-412
100% Tensile Strength	21	Kgf/cm ²	ASTM D-412
Elongation at Break	350	%	ASTM D-412
Tear Strength-Across Flow	21	KN/m	ASTM D624
Compression Set 70°C×22h	31	%	ASTM D-395B
Thermal	Typical Value	Unit	Test Based on
Brittleness Temperature	-60	°C	ASTM D746
Aging	Typical Value	Unit	Test Based on
Change in Tensile Strength In Air 125°C×168h	-10	%	ASTM D573
Change in Ultimate Elongation In Air 125°C×168h	+15	%	ASTM D573
Change in Durometer Hardness in Air 125°C×168h	+3	Shore A	ASTM D-2240

The data are intended as a general guide only, makes no guarantee of results and assumes no obligation or liability.

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Processing Recommendation:

Injection	Typical Value
Drying Temperature	80°C
Drying Time	3.0hr
Suggested Max Moisture	0.08%
Suggested Max Regrind	20%
Rear Temperature	175-190°C
Middle Temperature	180-195°C
Front Temperature	185-200°C
Nozzle Temperature	185-210°C
Mold Temperature	25-55°C
Injection Rate	Fast
Back Pressure	0.35-0.7MPa
Screw Speed	100-200rpm
Clamp Tonnage	40-70MPa
Screw L/D Ratio	16:1-24:1
Screw Compression Ratio	2:1-4:1
Injection Notes: Topolymer®TPV is incompatible with PVC, Purge thoroughly before and after use of this product with a low flow (0.5 - 2.5 MFR)polyethylene (PE) or polypropylene (PP).	
Extrusion	Typical Value
Drying Temperature	80°C
Drying Time	3.0hr
Melt Temperature	175-215°C
Mold Temperature	175-215°C
Extrusion Notes: Topolymer®TPV is incompatible with PVC, Purge thoroughly before and after use of this product with a low flow (0.5 - 2.5 MFR)polyethylene (PE) or polypropylene (PP).	

Packaging and Storage:

Topolymer® 9210-551EJ011000 is 25kg per bag, which is packaged with lined PP paper bag.
 Topolymer® 9210-551EJ011000 can be stored in ventilative, ambient PVC-free environment for 12 months.