

Braskem EVA PN2021

乙烯醋酸乙烯共聚物

Braskem

Technical Data

产品说明

PN2021 is an Ethylene-Vinyl Acetate (EVA) copolymer, mainly used for the production of crosslinked foam sheets and other parts. It is a product with easy processability and high compatibility with mineral fillers, and thermoplastic and elastomeric resins. Other important characteristics are elasticity, flexibility, excellent stress cracking resistance (ESCR), chemical resistance, and low temperature strength. The exclusive morphologic characteristics give an outstanding crosslinkability. The components produced with PN2021 have the following properties: low weight, resistance to deformation, low shrink, high capacity of sticking and color retention.

Application:
Microcellular crosslinked foams for shoes, industrial and recreational foams, toys., Polymer blends, Injection molding of high flexible articles

Processes:
Injection Molding, Compression Molding, Compounding, Extrusion

总览

特性	• Good Elasticity • Good ESCR (Stress Crack Resist.) • 共聚物 • 可交联	• 良好的加工性能 • 良好的柔韧性 • 良好的颜色稳定性 • 耐低温	• 耐化学品性能，良好 • 收缩性低
用途	• 工业应用 • 混合	• 泡沫 • 玩具	• 鞋类
加工方法	• 复合 • 挤出	• 压缩模塑 • 注射成型	

物理性能	额定值	单位制	测试方法
密度 / 比重	0.940	g/cm³	ASTM D792 ASTM D1505
熔流率 (熔体流动速率) (190°C/2.16 kg)	2.1	g/10 min	ASTM D1238
醋酸乙烯含量	19.0	wt%	
机械性能	额定值	单位制	测试方法
拉伸模量 - 5% 正割 (模压成型)	33.0	MPa	ASTM D638
抗张强度 (断裂, 模压成型)	19.0	MPa	ASTM D638
伸长率 (断裂, 模压成型)	750	%	ASTM D638
硬度	额定值	单位制	测试方法
肖氏硬度			ASTM D2240
邵氏 A, 模压成型	89		
邵氏 D, 模压成型	38		
热性能	额定值	单位制	测试方法
维卡软化温度	61.0	°C	ASTM D1525 ³
熔融峰值温度	86.0	°C	ASTM D3418

