

产品比较

Technical Data					
产品说明					
Braskem EVA PN2021	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				
TAISOX® 7350F	7350F is an ethylene/vinylene acetate copolymer. The trade name is Taisox. This product is manufactured by the high-pressure process. By incorporating vinyl acetate (VA) into the ethylene chain, the high-pressure process produces co-polymerization to EVA. 7350F is a general-purpose for X-linked foam shoes, mid-sole, sanitary applications, gaskets. It provides good chemical resistance, excellent elasticity, and high flexible properties.				
TAISOX® 7350M	7350M is an ethylene/vinylene acetate copolymer. The trade name is Taisox. This product is manufactured by the high-pressure process. By incorporating vinyl acetate (VA) into the ethylene chain, the high-pressure process produces co-polymerization to EVA. 7350M is a general-purpose for X-linked foam shoes, mid-sole, gaskets. It provides good chemical resistance, excellent elasticity, and high flexible properties.				
HANWHA EVA 1316	HANWHA EVA 1316 is manufactured by Dow autoclave high pressure process and designed for variety of foam molding application such as shoes and sandals etc. EVA 1316 is well known for its excellent processability and high quality assurance.				
TAISOX® 7360M	7360M is an ethylene/vinylene acetate copolymer. The trade name is Taisox. This product is manufactured by the high-pressure process. By incorporating vinyl acetate (VA) into the ethylene chain, the high-pressure process produces co-polymerization to EVA. 7360M is a general-purpose for X-linked Foam-shoes, Mid-sole, Gaskets protecting film. It provides excellent elasticity and high flexible properties.				
总览	Braskem EVA PN2021	TAISOX® 7350F	TAISOX® 7350M	HANWHA EVA 1316	TAISOX® 7360M
生产商/供应商	• Braskem	• Formosa Plastics Corporation	• Formosa Plastics Corporation	• Hanwha Chemical	• Formosa Plastics Corporation
通用符号	• EVA	• EVA	• EVA	• EVA	• EVA



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总览	Braskem EVA PN2021	TAISOX® 7350F	TAISOX® 7350M	HANWHA EVA 1316	TAISOX® 7360M
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	• High Flexibility • 高弹性 • 共聚物 • 可交联 • 耐化学品性能，良好 • 通用	• High Flexibility • 高弹性 • 共聚物 • 可交联 • 耐化学品性能，良好 • 通用	• 可发泡性能 • 良好的加工性能 • 无添加剂	• 高弹性 • 共聚物 • 可交联 • 良好的柔韧性 • 通用
用途	• 工业应用 • 混合 • 泡沫 • 玩具 • 鞋类	• 垫圈 • 通用 • 卫浴产品 • 鞋类	• 垫圈 • 泡沫 • 鞋类	• 泡沫 • 鞋类	• 薄膜 • 垫圈 • 泡沫 • 鞋类
机构评级	--	• FDA 21 CFR 177.1350	• FDA 21 CFR 177.1350	• FDA 21 CFR 177.1350(a)(1)	• FDA 21 CFR 177.1350
RoHS 合规性	--	• RoHS 合规	• RoHS 合规	--	• RoHS 合规
形式	--	• 粒子	• 粒子	• 粒子	• 粒子
加工方法	• 复合 • 挤出 • 压缩模塑 • 注射成型	--	--	• 泡沫处理	--

物理性能	Braskem EVA PN2021	TAISOX® 7350F	TAISOX® 7350M	HANWHA EVA 1316	TAISOX® 7360M	单位制	测试方法
密度 / 比重							
--	0.940	--	--	--	--	g/cm³	ASTM D792
--	0.940	0.938	0.938	0.940	0.941	g/cm³	ASTM D1505
熔流率 (熔体流动速率) (190°C/2.16 kg)	2.1	1.8	2.5	1.8	2.5	g/10 min	ASTM D1238
醋酸乙烯含量							
--	19.0	18.0	18.0	--	21.0	wt%	
--	--	--	--	19.0	--	wt%	内部方法



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机械性能	Braskem EVA PN2021	TAISOX® 7350F	TAISOX® 7350M	HANWHA EVA 1316	TAISOX® 7360M	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							ASTM D638
屈服	--	4.41	4.41	--	3.92	MPa	
断裂	--	14.7	14.7	13.2	17.7	MPa	
断裂, 模压成型	19.0	--	--	--	--	MPa	
伸长率							ASTM D638
断裂	--	800	800	850	800	%	
断裂, 模压成型	750	--	--	--	--	%	
硬度	Braskem EVA PN2021	TAISOX® 7350F	TAISOX® 7350M	HANWHA EVA 1316	TAISOX® 7360M	单位制	测试方法
肖氏硬度							ASTM D2240
邵氏 A	--	88	88	90	86		
邵氏 A, 模压成型	89	--	--	--	--		
邵氏 D	--	38	38	36	36		
邵氏 D, 模压成型	38	--	--	--	--		
热性能	Braskem EVA PN2021	TAISOX® 7350F	TAISOX® 7350M	HANWHA EVA 1316	TAISOX® 7360M	单位制	测试方法
脆化温度	--	< -70.0	< -70.0	< -76.0	< -70.0	°C	ASTM D746
维卡软化温度							
--	--	60.0	60.0	59.0	58.0	°C	ASTM D1525
--	61.0	--	--	--	--	°C	ASTM D1525 ⁴
熔融温度							
--	--	84.0	84.0	--	80.0	°C	DSC
--	--	--	--	85.0	--	°C	ASTM D3417
--	86.0	--	--	--	--	°C	ASTM D3418
补充信息							
HANWHA EVA 1316	Kneader Temperature: 80 to 110°C Roll Mill Temperature: 90°C						

