

Maxxam™ SY 89-21-1

Polypropylene
PolyOne Corporation

Message:

Special polyolefin is an expandable polypropylene composite material. The usual expansion is 60%. It is used for production data and voice communication lines. The foaming agent in the polypropylene copolymer is pre-existing, low density and suitable for thin wall insulation Excellent insulation characteristics, stable cellular structure under wall thickness as low as 10 mils, and the finished wire has stable electrical characteristics and good mechanical characteristics.

General Information	
Features	Foamable property
Uses	Cable sheath
	Wire and cable applications
	Communication wire insulation material
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.579	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) ¹ (190°C/2.16 kg)	2.1	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	23.4	MPa	ASTM D638
Tensile Elongation ³ (Break)	400	%	ASTM D638
Electrical	Nominal Value		Test Method
Dielectric Constant (1 kHz)	2.24		ASTM D150
Dissipation Factor (1 kHz)	3.0E-4		ASTM D150

Additional Information	
注释:1. 模制厚板(0.075")的典型属性;不能视为技术规格.2. 泡沫密度减少取决于装载等级,温度以及冷却之前的停留时间.3. 推荐的加工温度: 190°C 到220°C(375°F 到430°F).	
NOTE	

1.	Procedure A
2.	Type 4, 510mm/min
3.	Type 4, 510mm/min

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