

PolyOne Maxxam™ SY 89-21-1 Polypropylene, Unspecified (PP, Unspecified)

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Maxxam™ SY 89-21-1 is a polypropylene copolymer compound with a pre-dispersed blowing agent for up to 50% expansion. The compound offers consistent cell structure, dielectric properties, and strength on insulation walls as thin as 10 mils. NOTE: 1. Typical properties of molded slab (0.075); Not to be construed as specifications. 2. Foam density reduction depends upon loading level, temperature and residence time before cooling. 3. Recommended process temperature: 190°C to 220°C (375°F to 430°F). Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Maxxam-SY-89-21-1-Polypropylene-Unspecified-PP-Unspecified.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.579 g/cc	0.579 g/cc	ASTM D792
Melt Flow	2.1 g/10 min	2.1 g/10 min	Procedure A; ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	23.4 MPa	3390 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	400 %	400 %	Type IV, 510 mm/min; ASTM D638

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.24	2.24	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dissipation Factor	0.00030	0.00030	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Descriptive Properties	Value	Comments
Features	Foamable	
Forms	Pellets	
Generic Material	PP, Unspecified	
Generic Name	Polypropylene, Unspecified (PP, Unspecified)	
Processing Method	Extrusion	
	Injection Molding	

Descriptive Properties	Value & Middle East	Comments
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Cable Jacketing	
	Communication Wire Insulation	
	Wire & Cable Applications	

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