

GPP™ 1001V0M

Thermoplastic Polyolefin Elastomer

S&E; Specialty Polymers, LLC

Message:

GPP™1001V0M is a polyolefin thermoplastic elastomer (TPO (POE)) product. It is available in North America. GPP™The application areas of 1001V0M include electrical/electronic applications, electrical appliances and houses. The main characteristics are: flame retardant/rated flame.

General Information			
Uses	Battery box		
	Electrical components		
	Electrical appliances		
	Connector		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.988	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	23.8	MPa	ASTM D638
Fracture	13.8	MPa	ASTM D638
Tensile Elongation (Break)	400	%	ASTM D638
Flexural Modulus	2070	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Drop Impact Resistance	6.41	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
RTI Elec	115	°C	UL 746
RTI Imp	115	°C	UL 746
RTI	115	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant (23°C, 1 kHz)	2.11		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.794 mm)	V-0		UL 94
Oxygen Index	30	%	ASTM D2863
Additional Information			

Melt Flow Rate, ASTM D1238: 1 to 20 g/10 minSuggested Stock Temperature: 410-450°FThe value listed as Dart Impact Resistance ASTM D4226, was tested in accordance with ASTM D3029.

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