

# GPP™ 1005E

Thermoplastic Polyolefin Elastomer

S&E; Specialty Polymers, LLC

Message:

GPP™1005E is a polyolefin thermoplastic elastomer (TPO (POE)) product. It can be processed by sheet extrusion molding and is available in North America. GPP™The application areas of 1005E include thin plates and wires and cables.

Features include:  
flame retardant/rated flame  
Flame Retardant

General Information			
Features	Flame retardancy		
Uses	Wire and cable applications		
	Sheet		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Sheet extrusion molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 3 sec)	100		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	26.9	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	5.0	%	ASTM D638
Fracture	200	%	ASTM D638
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)	2.10		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.794 mm)	V-2		UL 94
Oxygen Index	26	%	ASTM D2863
Additional Information			
Suggested Stock Temp: 190 to 215°C			

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