

Excelprene® 5190

Thermoplastic Polyolefin Elastomer

S&E; Specialty Polymers, LLC

Message:

Excelprene® 5190 is a polyolefin thermoplastic elastomer (TPO (POE)) product. It is available in North America. Excelprene® 5190 applications include wires and cables and engineering/industrial accessories.

Features include:

- Flame Retardant
- Good UV resistance
- Good flexibility
- chemical resistance
- non-toxic

General Information			
Features	Good UV resistance		
	Good flexibility		
	Good chemical resistance		
	Non-toxic		
	Halogen-free		
	Flame retardancy		
Uses	Pump parts		
	Wire and cable applications		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.00	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
	88		
Durometer Hardness (Shore A, 3 sec)	90		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	19.3	MPa	ASTM D412
Tensile Elongation (Break)	700	%	ASTM D412
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -60.0	°C	ASTM D746
Electrical	Nominal Value		Test Method
Dielectric Constant	2.10		ASTM D150

Additional Information

Suggested Stock Temperature: 165-180°F Temperature Rating: 105°C

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