RESILIENCE® TP9120 E203324-SM KW TITANIUM 221

GEON Performance Solutions - Thermoplastic Polyolefin Elastomer

Tuesday, September 1, 2026

General Information

Product Description

The GEON® family of polypropylene- and polyethylene-based products covers a wide range of applications, markets and performance requirements. Standard grades are compounded with calcium carbonate, glass and talc to provide a desired balance of properties including stiffness, durability, impact resistance and heat resistance. Custom grades are available with features such as UV stabilizers, heat stabilizers, custom color, high impact, etc.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Talc		
Features	• Good Processability	• High Scratch Resistance	• UV Stabilized
Uses	• Automotive Applications • Construction Applications	• Consumer Applications • General Purpose	• Industrial Applications
Appearance	• Grey		
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	(English)	Nominal Value	(SI)	Test Method
Density	1.05	g/cm³	1.05	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)	24	g/10 min	24	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Tensile Stress	3630	psi	25.0	MPa	ISO 527-2
Flexural Modulus	283000	psi	1950	MPa	ISO 178
Impact	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Notched Izod Impact Strength	5.7	ft·lb/in²	12	kJ/m²	ISO 180
Thermal	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Deflection Temperature Under Load					ISO 75-2/B
66 psi (0.45 MPa), Unannealed	237	°F	114	°C	
Flammability	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Burning Rate (0.126 in (3.20 mm))	< 3.9	in/min	< 100	mm/min	ISO 3795

Notes

[1] Typical properties: these are not to be construed as specifications.

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