RESILIENCE® 7717-1

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	• Filler		
Features	• Good Weather Resistance		
Uses	• Construction Applications		
Appearance	• Colors Available		
Forms	• Pellets		

Properties [1]

Physical	Nominal Value (English)		Nominal Value (SI)		Test Method
Density / Specific Gravity	0.990		0.990		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	8.0	g/10 min	ASTM D1238
Molding Shrinkage (0.126 in (3.20 mm))	0.80 to 1.4	%	0.80 to 1.4	%	ISO 294-4
Mechanical	**Nominal Value (English)**		**Nominal Value (SI)**		**Test Method**
Tensile Strength (Yield)	3630	psi	25.0	MPa	ASTM D638
Flexural Modulus	116000	psi	800	MPa	ASTM D790
Impact	**Nominal Value (English)**		**Nominal Value (SI)**		**Test Method**
Notched Izod Impact	0.56	ft·lb/in	30	J/m	ASTM D256

Additional Information

ASTM D6878 UV Resistance, 12,600 kJ.

Notes

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

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