

Technical Data Sheet

POLYTROPE® TPP 518

Thermoplastic Polyolefin Elastomer
Engineering Plastics

Product Description

TPO High Modulus 13% Talc

General

Filler / Reinforcement	<ul style="list-style-type: none"> Talc, 13% Filler by Weight
Automotive Specifications	<ul style="list-style-type: none"> CHRYSLER MS-DC-256 Type B CPN3413 CHRYSLER MS-DC-256 Type B CPN3414 Color: 3120 Black FORD ESB-M4D492-A1 Color: Black GM GMP.E/P.020 Color: Black GM GMP.E/P.050 NISSAN NES M8012 PP(T15) IC3-U-1
Processing Method	<ul style="list-style-type: none"> Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.00	1.00 g/cm ³	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ¹ (Yield)	3050 psi	21.0 MPa	ASTM D638
Tensile Elongation ¹ (Break)	300 %	300 %	ASTM D638
Flexural Modulus ²	189000 psi	1300 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	11 ft·lb/in	600 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 psi (0.45 MPa), Unannealed	194 °F	90.0 °C	ASTM D648
Additional Information	Nominal Value (English)	Nominal Value (SI)	Test Method
Filler Content	13 %	13 %	ASTM D5630

Notes

¹ 2.0 in/min (50 mm/min)

² 0.051 in/min (1.3 mm/min)

Notes

These are typical property values not to be construed as specification limits.