

Technical Data Sheet
Lucent PP TPP-120
Polypropylene Homopolymer
Engineering Plastics



Product Description

20% Talc Filled, Homopolymer Polypropylene

Melt Flow Adjustable for Application
Colors Available
Add "U" for UV Stabilized
Add "H" for Heat Stabilized
Meets TSM-5601G-9A

General

Filler / Reinforcement	• Talc, 20% Filler by Weight
Features	• Homopolymer
Automotive Specifications	• TOYOTA TSM 5601G-9A
Appearance	• Colors Available

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.05	1.05 g/cm³	ASTM D792
Molding Shrinkage - Flow (0.125 in (3.18 mm))	0.012 in/in	1.2 %	

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	4800 psi	33.1 MPa	ASTM D638
Tensile Elongation (Break)	> 10 %	> 10 %	ASTM D638
Flexural Modulus	320000 psi	2210 MPa	ASTM D790
Flexural Strength	7400 psi	51.0 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (0.125 in (3.18 mm))	0.50 ft·lb/in	27 J/m	ASTM D256

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	170 °F	76.7 °C	ASTM D648

Notes

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

