

Sinpolene TPP5540/2D

- Polypropylene Copolymer

Friday, June 30, 2017

General Information

Product Description

SINPOLENE TPP5540/2D is a premium talc reinforced polypropylene thermoplastic extrusion compound. It is UV stabilized and has good balance of mechanical and physical properties.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Filler / Reinforcement	• Talc, 40% Filler by Weight
Forms	• Pellets
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	7.0E-3 to 9.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	4210	psi	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Modulus	377000	psi	ASTM D790
Flexural Strength	6530	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.1	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	271	°F	ASTM D648
Vicat Softening Temperature	311	°F	ASTM D1525 ²

Notes

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

² Loading 1 (10 N)

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Revision Date: 12/20/2015