

**TRIEL® 5651SP**

 Samyang Corporation - *Thermoplastic Polyester Elastomer*

## General Information

**Product Description**

TRIEL® offers significant chemical resistance, thermal resistance, weatherability and low temperature flexibility.

**General**

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Uses	• General Purpose
Forms	• Pellets

 Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.20		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.020	in/in	ASTM D955
Water Absorption (24 hr, 73°F)	0.45	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	504	psi	ASTM D638
Tensile Elongation (Break)	> 400	%	ASTM D638
Flexural Modulus	7400	psi	ASTM D790
Flexural Strength (Yield)	307	psi	ASTM D790
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	392	°F	ASTM D1525
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

## Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.
