

**TRIEL® 5581BM**

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	• Automotive Applications	• Automotive Exterior Parts	

 Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.22		ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
230°C/2.16 kg	0.50	g/10 min	
250°C/5.0 kg	4.0	g/10 min	
Molding Shrinkage - Flow (0.118 in)	0.017 to 0.020	in/in	ASTM D955
Water Absorption (24 hr, 73°F)	0.45	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3270	psi	ASTM D638
Tensile Elongation (Break)	> 400	%	ASTM D638
Flexural Modulus	29200	psi	ASTM D790
Flexural Strength (Yield)	1780	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	No Break		ASTM D256
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	58		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	223	°F	ASTM D648
Vicat Softening Temperature	370	°F	ASTM D1525

## Notes

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