

**TRIEL® 5406BM**

 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 Interior Parts	

**Properties <sup>1</sup>**

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.14		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/10.0 kg)	10	g/10 min	ASTM D1238
Water Absorption (24 hr, 73°F)	0.50	%	ASTM D570
<b>Mechanical</b>			
Tensile Strength (Yield)	2990	psi	ASTM D638
Tensile Elongation (Yield)	> 400	%	ASTM D638
Flexural Modulus	9250	psi	ASTM D790
Flexural Strength (Yield)	498	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (73°F)	No Break		ASTM D256
<b>Hardness</b>			
Durometer Hardness (Shore D)	40		ASTM D2240
<b>Thermal</b>			
Deflection Temperature Under Load (66 psi, Unannealed)	135	°F	ASTM D648
Vicat Softening Temperature	288	°F	ASTM D1525

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