

TRIEL® AS5401BM

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 ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.15		ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
230°C/10.0 kg	8.0	g/10 min	
230°C/2.16 kg	1.0	g/10 min	
Molding Shrinkage - Flow (0.118 in)	0.015 to 0.017	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 (Yield)	> 400	%	ASTM D638
Flexural Modulus	9250	psi	ASTM D790
Flexural Strength (Yield)	569	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	No Break		ASTM D256
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	40		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	133	°F	ASTM D648
Vicat Softening Temperature	311	°F	ASTM D1525

Notes

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