

TRIEL® 5402SP

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

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.13		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.118 in)	0.015 to 0.017	in/in	ASTM D955
Water Absorption (24 hr, 73°F)	0.50	%	ASTM D570
Mechanical			
Nominal Value Unit Test Method			
Tensile Strength (Yield)	2420	psi	ASTM D638
Tensile Elongation (Yield)	> 400	%	ASTM D638
Flexural Modulus	8820	psi	ASTM D790
Flexural Strength (Yield)	526	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)	40		ASTM D2240
Thermal			
Nominal Value Unit Test Method			
Deflection Temperature Under Load (264 psi, Unannealed)	135	°F	ASTM D648
Vicat Softening Temperature	288	°F	ASTM D1525

Notes

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