

TRIEL® 5639U

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	• Industrial Applications	• Monofilaments

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.24		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	26	g/10 min	ASTM D1238
Water Absorption (24 hr, 73°F)	0.45	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3410	psi	ASTM D638
Tensile Elongation (Yield)	> 400	%	ASTM D638
Flexural Modulus	51900	psi	ASTM D790
Flexural Strength (Yield)	2350	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)	63		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	243	°F	ASTM D648
Vicat Softening Temperature	392	°F	ASTM D1525
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94

Notes

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

