

TRIEL® 5632SPU

 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 • Industrial Cable Insulation

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.23		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Water Absorption (24 hr, 73°F)	0.45	%	ASTM D570
Mechanical			
Nominal Value Unit Test Method			
Tensile Strength (Yield)	5120	psi	ASTM D638
Tensile Elongation (Yield)	420	%	ASTM D638
Flexural Modulus	52600	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)	248	°F	ASTM D648
Vicat Softening Temperature	410	°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.
