

TRIEL® 5301SP

Thermoplastic Polyester Elastomer
Samyang Corporation

Message:

TRIEL® 5301SP is a Thermoplastic Polyester Elastomer (TPEE) product. It is available in Asia Pacific, Europe, or North America.

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	24 to 28	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.5 to 1.7	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.50	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	30		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Break	12.7	MPa	
5.0% Strain	3.43	MPa	
10% Strain	4.90	MPa	
50% Strain	7.85	MPa	
Tensile Elongation (Break)	> 400	%	ASTM D638
Flexural Modulus	27.5	MPa	ASTM D790
Flexural Strength (Yield)	2.26	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact			ASTM D256
-40°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	50.0	°C	ASTM D648
Vicat Softening Temperature	108	°C	ASTM D1525 ¹
Melting Temperature	182	°C	ASTM D2117
NOTE			

1. Rate B (120°C/h), Loading 1 (10 N)

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

