TRIEL® 5282SP

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		
Forms	• Pellets		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.07		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	30	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.015	in/in	ASTM D955
Water Absorption (24 hr, 73°F)	0.45	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	1710	psi	ASTM D638
Tensile Elongation (Break)	> 400	%	ASTM D638
Flexural Modulus	2840	psi	ASTM D790
Flexural Strength (Yield)	284	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Unnotched Izod Impact (73°F)	No Break		ASTM D4812
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	28		ASTM D2240

Notes

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