

TRIEL® 5652EM

Thermoplastic Polyester Elastomer
Samyang Corporation

Message:

TRIEL® 5652EM 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	1.24	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.7 to 2.0	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.50	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	34.3	MPa	ASTM D638
Tensile Elongation (Break)	> 400	%	ASTM D638
Flexural Modulus	358	MPa	ASTM D790
Flexural Strength (Yield)	16.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact			ASTM D256
-40°C	No Break		
23°C	78 to 98	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	117	°C	ASTM D648
Vicat Softening Temperature	200	°C	ASTM D1525 ¹
Melting Temperature	205	°C	ASTM D2117
NOTE			

1. Rate B (120°C/h), Loading 1 (10 N)

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