

Evoprene™ G 6142

TPS

Alphagary

Note: mechanical properties were originally reported according to ISO 37. Comparison with data according ISO 527 seems to be acceptable in this case.

Service Temp Guide = -50 to +120 °C

Thermoplastic compatibility: PP

Air age 14 days @ 125C (ISO 188):

Delta Shore A = + 3

Tensile Strength = 98 %

Elongation at Break = 107 %

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	14.5	MPa	ISO 527
Stress at 100% Elongation	4	MPa	ISO 527
Strain at Break TPE	>300	%	ISO 527
Compression Set under constant strain, 23 °C	45	%	ISO 815
Compression Set under constant strain, 70 °C	59	%	ISO 815
Compression Set under constant strain, 100 °C	69	%	ISO 815
Tear strength	62	kN/m	ISO 34-1
Shore Hardness A (15s)	81	-	ISO 868

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	900	kg/m³	ISO 1183

Characteristics

Processing

Injection Molding