

Evoprene™ HP 3702 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.

Abrasion DIN 53516 = 178 mm³

Service Temp Guide = -50 to +120 °C

Thermoplastic compatibility: PP

Comment: Abrasion resistant grade to compete with some types of TPU.

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	5.5	MPa	ISO 527
Stress at 100% Elongation	0.5	MPa	ISO 527
Strain at Break TPE	60	%	ISO 527
Compression Set under constant strain, 23 °C	22	%	ISO 815
Compression Set under constant strain, 70 °C	35	%	ISO 815
Compression Set under constant strain, 100 °C	49	%	ISO 815
Tear strength	26	kN/m	ISO 34-1
Shore Hardness A (15s)	40	-	ISO 868

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	890	kg/m ³	ISO 1183

Characteristics

Processing

Injection Molding