

POLYelast TPE E706

TPE

Polykemi AB

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	1.9	%	ISO 294-4, 2577
Molding shrinkage, normal	1.9	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	6	MPa	ISO 527
Strain at break	>50	%	ISO 527
Stress at 100% elongation	2.8	MPa	ISO 527
Stress at 300% elongation	11.4	MPa	ISO 527
ASTM Data			
Shore A Hardness	70	-	ASTM D 2240
Tear Strength	27	kN/m	ASTM D 624

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	45	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	95	°C	ISO 75-1/-2
Vicat softening temperature, A	124	°C	ISO 306
Vicat softening temperature, B	50	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	1150	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding

Chemical Resistance

Ozone Resistance

Delivery form

Granules

Regional Availability

Europe, Asia Pacific

Special Characteristics

U.V. stabilized or stable to weather