

TECHNICAL DATA SHEET

Stanyl® TC155

Envalior
PA* FR(17)

Processing

Injection molding

Delivery Form

Pellets

Additives

Lubricants

Special Characteristics

Flame retardant, Heat stabilized or stable to heat,
Thermally conductive

Product Text

Product Information

Thermal conductive material, Flame Retardant, Heat Stabilized

ISO 1043 PA* FR(17)

Mechanical Properties	Value	Unit	Standard
Tensile modulus	11000	MPa	ISO 527
Stress at break	55	MPa	ISO 527
Strain at break	0.6	%	ISO 527
Poisson's ratio	0.35		ISO 527
Charpy impact strength, +23°C	10	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	10	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	2	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	1.6	kJ/m ²	ISO 179/1eA
Thermal Properties	Value	Unit	Standard
Coeff. of linear therm. expansion, parallel	25	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	25	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	
Yellow card available	yes		
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	3	mm	
Yellow card available	yes		

Stanyl® TC155

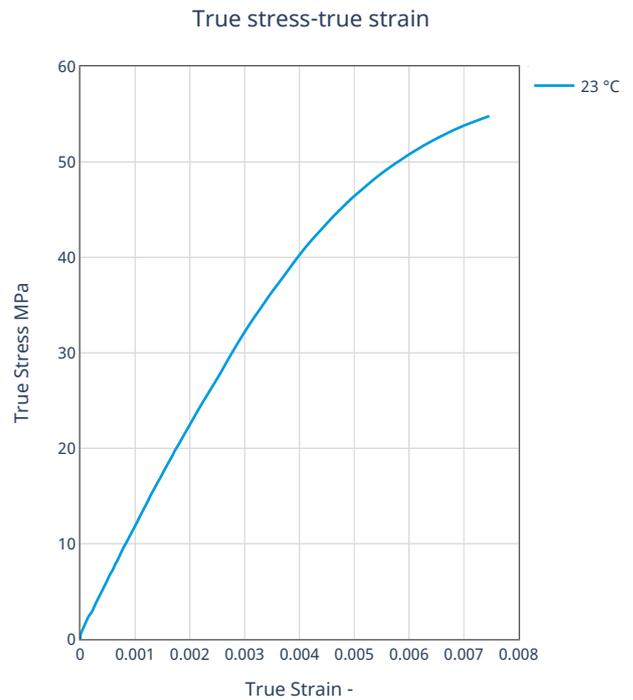
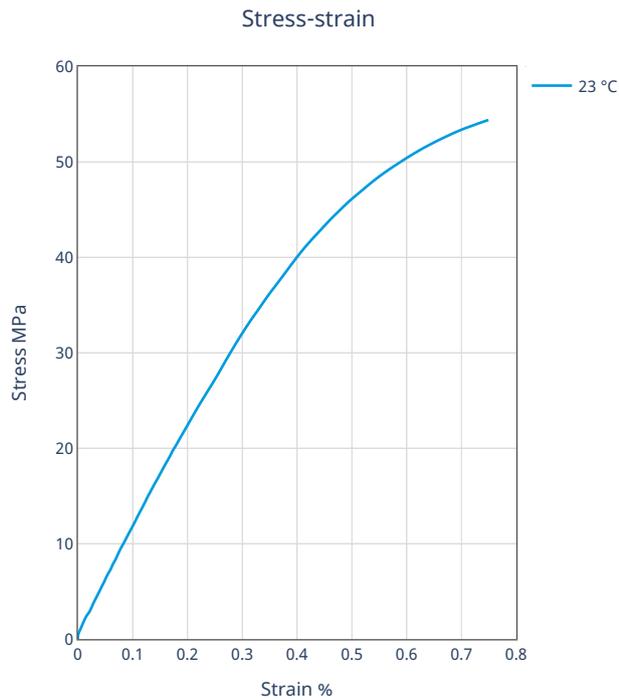
Envalior

Thermal Properties	Value	Unit	Standard
Burning behav. 5V at thickness h	5VA	class	IEC 60695-11-20
Thickness tested	1.6	mm	

Electrical Properties	Value	Unit	Standard
Electric strength	36	kV/mm	IEC 60243-1
Comparative tracking index	575		IEC 60112

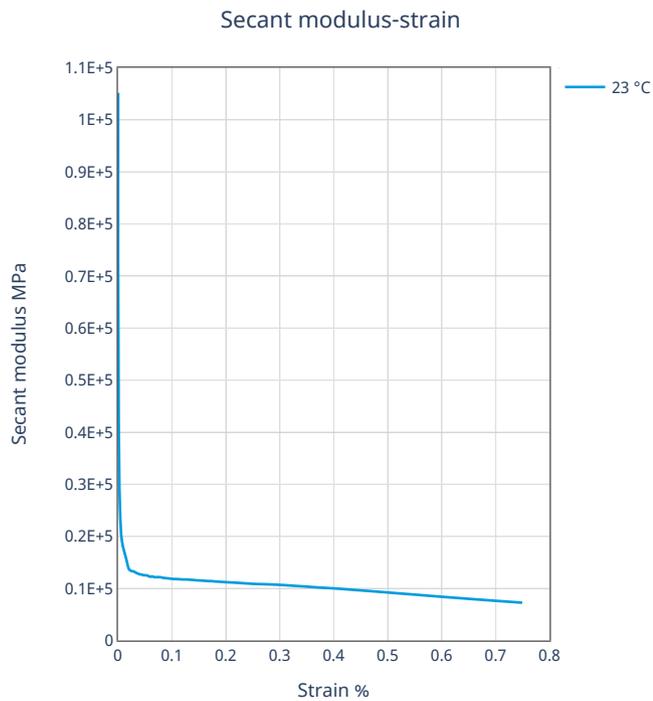
Other Properties	Value	Unit	Standard
Density	1625	kg/m ³	ISO 1183

Diagrams



Stanyl® TC155

Envalior



Processing Information

Injection molding

Injection Molding Recommendations

Hot runner recommendations for molding high heat performance Engineering Materials

Steel recommendations for molds screws and barrels

Supporting document for Stanyl quality processing

Trouble shooting guideline for injection molding