

STYRON™ 2678 MED

PS

Trinseo

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	11	g/10min	ISO 1133
Temperature	200	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	43	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus, 23°C	3500	MPa	ISO 178
Flexural strength	80	MPa	ISO 178
Rockwell hardness	R 105	-	ISO 2039-2
Ball indentation hardness	150	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	82 ^[ann.]	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	86 ^[ann.]	°C	ISO 75-1/-2
Vicat softening temperature, A	93	°C	ISO 306
Vicat softening temperature, B	86	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-

ann.: annealed

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dissipation Factor, 1 MHz	6.0E-5	-	ASTM D 150

Other properties	Value	Unit	Test Standard
Density	1050	kg/m ³	ISO 1183
Bulk density	600	kg/m ³	-

Characteristics**Processing**

Injection Molding

Certifications

Food contact, Food approval 10/2011, Food approval FDA 21 CFR, Medical Grade, Biocompatibility ISO 10993

Applications

General Purpose, Medical, Packaging

Regional Availability

Europe, Near East/Africa

