

TPE ProvaMed® 1060

TPE

ACTEGA DS GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	8	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Stress at 100% elongation	1.7	MPa	ISO 527
Strain at break TPE	>300	%	ISO 527
Compression set at 23 °C, 24h	18	%	ISO 815
Compression set at 70 °C, 24h	91	%	ISO 815
ASTM Data			
Shore A Hardness	60	-	ASTM D 2240
Shore D Hardness	15	-	ASTM D 2240

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	162	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	-40	°C	ISO 11357-1/-2

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

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Mold temperature	20 - 60	°C	-
Feed temperature	20 - 30	°C	-
Zone 1	140 - 230	°C	-
Nozzle temperature	190 - 230	°C	-

Characteristics**Processing**

Injection Molding, Other Extrusion

Delivery form

Pellets

Special Characteristics

Transparent, Sterilizable, Ethylene Oxide (EtO) Sterilization, Steam sterilization, Gamma irradiation sterilization

Chemical Resistance

Oxidation Resistance, Radiation Resistance

Certifications

Medical Grade, Biocompatibility ISO 10993

Applications

Medical

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa