

Mediprene® 500584M

TPE

Hexpol TPE

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	3	g/10min	ASTM D 1238
Temperature	190	°C	-
Load	2.16	kg	-
Mechanical properties			
ASTM Data			
Tensile Strength	11	MPa	ASTM D 638
Elongation at Break	800	%	ASTM D 638
Modulus at 100% Elongation	1.6	MPa	ASTM D 412
Modulus at 300% Elongation	0.833	MPa	ASTM D 412
Shore A Hardness	58	-	ASTM D 2240
Tear Strength	23	kN/m	ASTM D 624
Other properties			
Density	880	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Mold temperature	20 - 50	°C	-
Zone 1	180 - 220	°C	-

Characteristics**Processing**

Injection Molding, Other Extrusion

Special Characteristics

Translucent

Certifications

Food contact, Food approval 10/2011, Food approval FDA 21 CFR, Medical Grade, US Pharmacopeia Class VI Approved

Applications

Medical

Regional Availability

North America, Europe, Asia Pacific