

Mediprene® 500434M

TPE

Hexpol TPE

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	0.6	g/10min	ASTM D 1238
Temperature	190	°C	-
Load	2.16	kg	-
Mechanical properties			
ASTM Data			
Tensile Strength	9	MPa	ASTM D 638
Elongation at Break	850	%	ASTM D 638
Modulus at 100% Elongation	1.2	MPa	ASTM D 412
Modulus at 300% Elongation	0.6	MPa	ASTM D 412
Shore A Hardness	43	-	ASTM D 2240
Tear Strength	15	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