Medalist MD-135	5		
Wieddingt Wib 193	,		
Uses: Medical and healthcare a	pplications including blow n	nolded parts	
Appearance: Translucent		1	
Processing method: Injection molding, extru	usion, blow molding		
Physical Properties	Test Method	Test Method Nominal	
		English Units	SI Units
Specific Gravity	ASTM D792	0.88	0.88 g/cm <sup>3</sup>
Melt Mass-Flow Rate (MFR) (200 ℃/5.0 kg)	ASTM D1238		
Melt Mass-Flow Rate (MFR) (190 ℃/2.16 kg)	ASTM D1238	4.0 g/10 min	4.0 g/10 min
Melt Mass-Flow Rate (MFR) (125℃/2.16 kg)	ASTM D1238		
Mold Shrinkage (Flow)	ASTM D955	0.0437 in/in	4.4%
Mold Shrinkage (Across Flow)	ASTM D955	0.0365 in/in	3.6%
Elastomers	Test Method	Nominal Value	
Tensile Stress at 100%	ASTM D412	150 psi	1.03 Mpa
Tensile Stress at 200%	ASTM D412	215 psi	1.48 Mpa
Tensile Stress at 300%	ASTM D412	310 psi	2.14 Mpa
Tensile Strength at Break	ASTM D412	410 psi	2.83 Mpa
Elongation at Break	ASTM D412	650%	650%
Tear Strength	ASTM D624	190 lbf/in	33.3 kN/m
Compression Set (73°F, 22 hours)	ASTM D395	17%	17%
Hardness  Durometer Hardness (Shore A)	Test Method		al Value
, ,	ASTM D2240	45	45 nendation
Injection Processing		280 to 320°F	138 to 160℃
Rear Temperature  Middle Temperature		320 to 360 °F	150 to 160 ℃
Front Temperature		340 to 380 °F	171 to 193℃
Nozzle Temperature		380 to 420°F	193 to 216℃
Processing (Melt) Temperature		380 to 420 °F	193 to 216℃
Mold Temperature		70 to 100°F	21 to 38℃
Injection Pressure		200 to 800 psi	1.38 to 5.52 Mpa
Back Pressure		25 to 100 psi	0.17 to 0.69 Mpa
Screw Speed		50 to 100 rpm	50 to 100 rpm
Cushion		0.150 to 1.00 in	3.8 to 25.4 mm
Injection Notes: Drying is not necessary. However, if moisture is	a problem, dry the pellets for 2 to 4 hours at	150°F (65°C).	
Extrusion Processing		Recomm	nendation
Cylinder Zone 1 Temperature		280 to 300°F	138 to 149℃
Cylinder Zone 2 Temperature		300 to 320°F	149 to 160℃
Cylinder Zone 3 Temperature		320 to 360 °F	160 to 182℃
		340 to 380 °F	171 to 193℃
Cylinder Zone 5 Temperature			1 11 1

The data above was obtained on samples of the materials under laboratory conditions. To the best of our knowledge, this data is within the accuracy and precision of the respective tests. Because of testing and sampling variability, we cannot guarantee that other laboratories will obtain the same results and no warranty is expressed or implied.



