

Product Name: TPU 3007 AC

TPU Aliphatic PU / PVC Alloy for improved Chemical & Abrasion Resistance.

End Use: Tanks for Acidic, Alcoholic, Water & Oil based Food Stuff and Wines.

Complies with: EU directive for contact with foodstuff, and SI 5113.

Properties Test & Method	Typical Characteristics	
	English	Metric
Base Fabric	Polyester 1,000 Den 8 [Oz/yd ²]	Polyester 1,100 Dtx 270 [gr/m ²]
Total Weight ASTM D 751	29.5 [Oz/yd ²]	1000 [gr/m ²]
Breaking Strength – Strip ASTM D 751 method B	500 / 425 [lbs/inch]	4500 / 3800 [N/5 cm]
Breaking Strength – Grab ASTM D 751 method A	660 / 660 [lbs]	3000 / 3000 [N]
Tear Strength – Single Rip ASTM D 751 method B, DIN 53356	100 / 80 [lbs]	450 / 350 [N]
Tear Strength – Double Rip ISO 4674	220 / 155 [lbs]	1000 / 700 [N]
Tear Strength – Trapez DIN 53363	85 / 70 [lbs]	380 / 300 [N]
Coating Adhesion (HF welding) ASTM D 751	28 / 28 [lbs/inch]	250 / 250 [N/5 cm]
Abrasion Resistance ASTM D 3389 (Taber H-22 Wheel 1 Kg load)	<200 mg / 1000 cycles	
Blocking Resistance ASTM D 751 @ 70°C (160°F) 6 hrs	#1	
Cold Crack / Bend ASTM D2136	-49°F	-45°C
Puncture Resistance Fed. Std. 101 - 2031	260 [lbs]	1200 [N]