

TPA (Thermoplastic Alloy)

DESCRIPTION:

Thermoplastic Alloy is a very low durometer compound, suitable for use in applications such as weatherstrips, gaskets, etc.. The compound exhibits very good compression set, elongation and low temperature properties. Available as a natural colored, colorable, UV stabilized compound.

PROPERTY	TYPICAL VALUE	UNITS	ASTM METHOD
PHYSICAL			
Hardness	12	Shore A	D-2240
Specific Gravity	0.90		D-792
Melt Flow Rate (190°C, 2.16 kg load)	5.0	g/10 min	D-1238
MECHANICAL			
Tensile Strength @ Break	150	psi	D-412
Elongation @ Break	340	%	D-412
Tensile Stress @ 100%	50	psi	D-412
Tensile Stress @ 300%	140	psi	D-412
Compression Set			D-395 (B)
73 F	8	%	
158 F	23	%	
176 F	33	%	
Tear Strength	40	lb/in	D-624
THERMAL			
Brittleness Temp	<-76	°F	D-746

The information provided above is based on typical values, and is believed to be reliable. No warranty is given as to the suitability of the product for a particular application. Determination of the suitability of this product for any use is solely the responsibility of the user.