

TPE

A stylized graphic element consisting of a horizontal line that tapers to a point on the right, with a small upward curve at the tip, resembling a wing or a speed line.

A product of Rayco Technologies



TPE 3A

New Thermoplastic Elastomer with low hardness.

TPE 3A is a Thermoplastic Elastomer with low hardness and outgas formulation for injection molding. A new revolutionary material designed for today's fast paced production techniques, eliminating secondary processes for HDD application like dampers, absorbers, seals.

TPE features

Soft touch, rubber feel

Clean with very low outgas

Excellent damping

Low hardness

Good adhesion to metal & plastics substrates

Material Specifications

Physical

Properties	Test Method	Units	Value
Chemical Composition	-	-	Styrene Block Copolymer
Physical Form @ R.T	-	-	Solid
Color	-	-	Natural
Specific Gravity	ASTM D792	-	0.87
Operation Temperature	-	°C	90
Melting Temperature	-	°C	140 – 160
Cold Resistance	-	°C	-40

Mechanical

Properties	Test Method	Units	Value
Hardness (Shore A)	ASTM D2240	-	3
Compression Set (23°C for 168hrs)	ASTM D395	%	23
Tensile Strength	ASTM D412	MPa (psi)	1.72 (250)
Elongation @ Break	ASTM D638	%	1100
Tear Strength	ASTM D624	kN/m	9

Cleanliness Data

Properties	Test Method	Units	Value
Outgas by DHS	-	mg/g	< 75



The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking the supplies immediately on receipt. The user shall evaluate and determine whether the product is suitable for the intended applications. We reserve the rights to alter product constants within the scope of technical progress or new developments. In no case will Rayco be liable for any special, incidental, or consequential damages based on breach of warranty or contract, negligence, strict tort, or any other theory.
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