

# Raysoflex

A product of Rayco Technologies



## **RAYSOFLEX™ 4500**

New Thermoplastic Elastomer with very low outgassing

RAYSOFLEX™ 4500 is a new Thermoplastic Elastomer with very low outgas formulated for injection molding. A new revolutionary material designed for today's fast paced production techniques, eliminating secondary processes.

### **RAYSOFLEX™ 4500 features**

Soft touch, rubber feel

Clean with very low outgas

Excellent colourability

Highly compressible

Good ozone and UV stability

Excellent chemical resistance

Good adhesion to metal & plastics substrates

# Material Specifications

## Physical

Properties	Test Method	Units	Value
Chemical Composition	-	-	Styrene Olefin
Physical Form @ R.T	-	-	Solid
Color	-	-	Natural
Specific Gravity	ASTM D792	-	0.8 – 0.9
Viscosity @ 200°C	ASTM D1238	Pa-s (cPs)	12.5 (12,500)
MFI (190°C / 1260g)	ASTM D1238	g/10min	4 - 5

## Mechanical

Properties	Test Method	Units	Value
Hardness (Shore A)	ASTM D2240	-	35 - 45
Compression Set (23°C for 72hrs)	ASTM D395	%	23
Tensile Strength	ASTM D412	MPa (psi)	3.8 (550)
Elongation @ Break	ASTM D638	%	65
Shrinkage (Flow Direction)	ASTM D955	mm/mm	0.018 – 0.022

## Cleanliness Data

Properties	Test Method	Units	Value
Outgas by DHS	-	ng/g	7,000 – 10,000



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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