

# Softflex® 4500

Thermoplastic Elastomer

Network Polymers, Inc.

## Message:

Softflex® 4500 is a Thermoplastic Elastomer (TPE) product. It is available in North America. Typical application: Engineering/Industrial Parts.

General Information			
Uses	Overmolding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) <sup>1</sup>			ASTM D1238
200°C/5.0 kg	12	g/10 min	
235°C/1.0 kg	1.5	g/10 min	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	40 to 50		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield)	4.14	MPa	ASTM D638
Tensile Elongation <sup>3</sup> (Break)	700	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	19.3	kN/m	ASTM D624
Additional Information	Nominal Value		
Overmold Bonding	PP, PE		
NOTE			
1.	Procedure A		
2.	51 mm/min		
3.	51 mm/min		

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## Recommended distributors for this material

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