

Unipren® Elastomers A3 PRTA010 45A EG06S1 UP326

Thermoplastic Elastomer

Petropol Industry and Trade of Polymers LTDA

Message:

Thermoplastic compound with excellent resistance to ozone and ultra-violet, high mechanical and chemical properties. Application by injection molding. Suitable for automobile parts and general purpose applications where require high mechanical strength combined resistance to weathering.

General Information			
Features	General Purpose		
	Good Chemical Resistance		
	Good UV Resistance		
	Good Weather Resistance		
	Ozone Resistant		
Uses	Automotive Applications		
	General Purpose		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>TPE<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.970	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	42 to 48		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹			ASTM D412
100% Strain	> 1.40	MPa	
300% Strain	> 2.40	MPa	
Tensile Strength ² (Break)	4.00	MPa	ASTM D412
Tensile Elongation ³ (Break)	> 500	%	ASTM D412
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	180 to 200	°C	
Mold Temperature	25.0 to 50.0	°C	
NOTE			
1.	Die C		
2.	Die C		
3.	Die C		

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