

Unipren® Elastomers B3 PRTA010 55A UP314

Thermoplastic Vulcanizate

Petropol Industry and Trade of Polymers LTDA

Message:

Thermoplastic compound in black color based on EPDM with PP (TPV) dynamically vulcanized, suitable for high performance applications where outdoor exposure resistance to high temperature (135°C) are important requirements.

General Information			
Features	High Heat Resistance		
Appearance	Black		
Resin ID (ISO 1043)	>TPV<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.970	g/cm ³	ASTM D792
Molding Shrinkage - Flow	2.0 to 3.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	52 to 58		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹			ASTM D412
100% Strain	1.80	MPa	
300% Strain	3.70	MPa	
Tensile Strength ² (Break)	5.00	MPa	ASTM D412
Tensile Elongation ³ (Break)	> 450	%	ASTM D412
Tear Strength ⁴	24.0	kN/m	ASTM D624
Compression Set (70°C, 22 hr)	30	%	ASTM D395B
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			
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