



Parnian Compounder Men Technical Datasheet

Rev.:2024/09/26

Technical Code PR 233	Polymer Base NBR 34% ACN	Hardness Class 67±3	Color Black
Date 2025.01.12	Customer -	Reference -	Application Sealing in Natural Gas Media

Curing Conditions		Post Curing
Test sheet thickness 2mm	10 min. at 175°C	Not
Test sheet thickness 6mm	10 min. at 175°C	Not
Test part 29*12.5 mm	10 min. at 175°C	Not

Property	Unit	Test Method	Value	Requirement
Hardness	Shore A	ASTM D2240	67	
Density	gr/cc	ASTM D297	1.293	
Tensile Strength	MPa	ASTM D412	11.19	
Elongation at Break	%	ASTM D412	266	
Tear Resistance	N/m	ASTM D624	31.1	
Rebound Resilience	%	ASTM D7121	33.65	
Abrasion Resistance Index	1/cm ³ %	ASTM D5963	-	
100% Modulus	MPa	ASTM D412	3.66	
200% Modulus	MPa	ASTM D412	8.66	
300% Modulus	MPa	ASTM D412	-	
(Estimated) Selling Price Range	\$/kg	-		
Heat Aging 7 d / 70°C				
Δ Hardness	Shore A	ASTM D573		
Δ Tensile Strength	%	ASTM D573		
Δ Elongation at Break	%	ASTM D573		
Δ Mass	%	-		
Δ Volume	%	-		
Chemical Resistance 72 hr. / 23°C in n-pentane				
Δ Hardness	Shore A	ASTM D471	-	
Δ Tensile Strength	%	ASTM D471	-	
Δ Elongation at Break	%	ASTM D471	-	
Δ Mass	%	ASTM D471	+3.260	
Δ Volume	%	ASTM D471	+10.778	
Δ Mass after Drying (90°C, 4 hr.)	%	ASTM D471	-4.705	
Δ Volume after Drying (90°C, 4 hr.)	%	ASTM D471	-5.593	
Our Sourced Test				
Ozone Resistance	-			
Cold test	-			

Tester:	Approve:
---------	----------