



# Parnian Compounder Men Technical Datasheet

Rev.:2024/09/26

<b>Technical Code</b> PR 167-1	<b>Polymer Base</b> NBR 34% ACN	<b>Hardness Class</b> 67±3	<b>Color</b> Black
<b>Date</b> 2026.03.12	<b>Customer</b> تولید کنندگان اورینگها و واشرهای ضد گاز و آب	<b>Reference</b> -	<b>Application</b> ضد گاز (مطابق برخی تست پلانهای سنگین)

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	1.187	
Tensile Strength	MPa	ASTM D412	14.41	
Elongation at Break	%	ASTM D412	325	
Tear Resistance	N/m	ASTM D624	42.6	
Rebound Resilience	%	ASTM D7121	36.09	
Abrasion Resistance Index	1/cm <sup>3</sup> %	ASTM D5963	-	
100% Modulus	MPa	ASTM D412	4.03	
200% Modulus	MPa	ASTM D412	9.61	
300% Modulus	MPa	ASTM D412	13.79	
(Estimated) Selling Price Range	\$/kg	-	≈ 3.6	
Heat Aging 7 d / 70°C				
△ Hardness	Shore A	ASTM D573		
△ Tensile Strength	%	ASTM D573		
△ Elongation at Break	%	ASTM D573		
△ Mass	%	-		
△ Volume	%	-		
Chemical Resistance 72 hr. / 24°C in n-pentane				
△ Hardness	Shore A	ASTM D471		
△ Tensile Strength	%	ASTM D471		
△ Elongation at Break	%	ASTM D471		
△ Mass	%	ASTM D471	+ 2.502	
△ Volume	%	ASTM D471	+ 7.756	
△ Mass (after Drying 90°C & 4 hr.)	%	ASTM D471	-7.344	
△ Vol. (after Drying 90°C & 4 hr.)	%	ASTM D471	-8.437	
Our Sourced Test				
Ozone Resistance	-			
Cold test	-			

Tester:

Approve: