



General Features

- Excellent compression set resistance
- Excellent heat resistance
- Very good resistance to petroleum oils, greases, and fuels
- Excellent low temperature performance

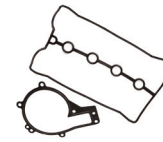
Application

A low temperature flexible HNBR with excellent aging resistance for suitability in demanding sealing applications.

574PD exhibits very good resistance to a wide range of petroleum products and lubricants while providing excellent low temperature flexibility.



Engine Seals



Intake Manifold Seals



Bonded Seals



Valve Body Seals



Transmission Seals



Hydraulic and
Pneumatic Seals



Quad-Ring® Seals



Quad® Brand O-Rings
& Ground Rubber Balls

Original Properties

Property	Unit	Required	Obtained	ASTM Test Method
Hardness	Shore A	60 ± 5	61	D 2240
Tensile	MPa	10 min	16.7	D 412
Elongation at break	%		251	D 412
100% Modulus	MPa		3.8	D 412
Tear Strength, Die C	kN/m		11.6	D 624
Specific Gravity			1.21	D 297

Air Age

Property	Unit	Obtained	ASTM Test Method
Change after 70h @ 150°C			
Δ Hardness	Shore A	2	D 573
Δ Tensile	%	-0.7	
Δ Elongation	%	-2.4	

HNBR (Highly Saturated Nitrile) Elastomer Compound 574PD

Fluid Immersion

Property	Unit	Obtained	ASTM Test Method	Property	Unit	Obtained	ASTM Test Method
IRM 901 oil				IRM 901 oil			
Change after 70h @ 100°C			D 471	Change after 70h @ 150°C			D 471
Δ Hardness	Shore A	-1		Δ Hardness	Shore A	-2	
Δ Tensile	%	3.5		Δ Tensile	%	2.8	
Δ Elongation	%	-1.2		Δ Elongation	%	-2	
Δ Volume	%	-2.4		Δ Volume	%	-0.3	

Property	Unit	Obtained	ASTM Test Method	Property	Unit	Obtained	ASTM Test Method
IRM 903 oil				IRM 903 oil			
Change after 70h @ 100°C			D 471	Change after 70h @ 150°C			D 471
Δ Hardness	Shore A	-10		Δ Hardness	Shore A	-12	
Δ Tensile	%	-23.3		Δ Tensile	%	-26.1	
Δ Elongation	%	-14.7		Δ Elongation	%	-16.7	
Δ Volume	%	25.4		Δ Volume	%	32.2	

Compression Set Resistance

Property	Unit	Obtained	ASTM Test Method
			D 395, Method B
22h @ 150°C	%	6.9	
70h @ 150°C	%	11.6	

Low Temperature

Property	Obtained	ASTM Test Method
Glass Transition Temperature, °C	-45	D 7426



To get a quote or order, please visit our website or contact one of our Customer Service Representatives
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