

H-ECOPUR RJT UNION SEALS

The H-Ecopur RJT seal, manufactured in New Zealand by Seal House Limited.

H-Ecopur is an FDA compliant, hydrolysis-resistant, thermoplastic polyurethane elastomer (TPU).

H-Ecopur has a proven track record as the optimum Union Seal material.

H-Ecopur has been tried and tested in many of New Zealand's Dairy plants, where results have exceeded expectation for quality, performance and longevity.

H-Ecopur is available in red and natural colouring, and is machined to provide a highly accurate product with a superior defect free finish.

H-Ecopur has an outstanding resistance to common CIP media and clean down processes.



Seal House re-order numbers

PRODUCT	MATERIAL	NOMINAL SIZE	PART NUMBER (RED)	PART NUMBER (NATURAL)
RJT Seal	H-Ecopur	1.0"	RJT.100HPU	RJT.100HPN
RJT Seal	H-Ecopur	1.5"	RJT.150HPU	RJT.150HPN
RJT Seal	H-Ecopur	2.0"	RJT.200HPU	RJT.200HPN
RJT Seal	H-Ecopur	2.5"	RJT.250HPU	RJT.250HPN
RJT Seal	H-Ecopur	3.0"	RJT.300HPU	RJT.300HPN
RJT Seal	H-Ecopur	4.0"	RJT.400HPU	RJT.400HPN
RJT Seal	H-Ecopur	6.0"	RJT.600HPU	RJT.600HPN

Material Data Sheet

PROPERTY	UNIT	VALUE	STANDARD
Durometer Hardness	SHORE A	95 ± 2	DIN 53505
Durometer Hardness	SHORE D	48 ± 3	DIN 53505
Density	g/cm ³	1.2 ± 0.01	DIN 53479
Tensile Strength	N/mm ²	≥ 50	DIN 53479
Elongation at break	%	≥ 330	DIN 53504
100% modulus	N/mm ²	≥ 13	DIN 53504
Compression set:	H-Ecopur	6.0"	RJT.600HPU
70°C/24h, 20% compression	%	≤ 27	-----
Compression set:			
100°C/24h, 20% compression	%	≤ 33	-----
Compression set:			
70°C/70h, 10% compression	%	≤ 20	DIN ISO 815
Tear strength	N/mm	≥ 100	DIN 53515
Rebound Resilience	%	29	DIN 53512
Abrasion	mm ³	17	DIN 53516
Minimum service temperature	°C	-20	-----
Maximum service temperature	°C	+110	-----

*Application specific information available on request.

Seal House can manufacture RJT Seals from alternative materials when required. These include;

- EPDM (Food grade)
- PTFE (Food Grade)
- Silicone (Food Grade)
- Nitrile Rubber
- FKM (Fluoro-elastomer)

Other Union Seal variants also available are;

- Tri-Clover (Flanged)
- Tri-Clover (Unflanged)
- DIN
- P-Section
- O-Ring Type RJT
- SMS

For aggressive applications, please contact one of our sales staff to assist with the most suitable material for the application.

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