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# 3R857

## RUBBER

Red Durashield rubber offers a high resistance to abrasion and tear. The 3R857 can withstand the most severe abrasive industrial applications better than other rubbers would.



### APPLICATIONS

- Mines
- Material handling hoses
- Chute linings

### SPECIFICATIONS

#### Technical Data

Polymer Type	Natural Rubber (NR)
Color	Red
Hardness (Shore A) (ASTM D2240)	40 ± 5
Density	1.06 gr/cm <sup>3</sup>
Temperature	-40°C to 82°C (-40°F to 180°F)
Tensile (ASTM D412)	3000 psi min.
Ultimate Elongation (ASTM D412)	600% min.
Tear (ASTM D624)	350 lbs/in
Abrasion resistance (DIN 53516)	Wet: 40mm <sup>3</sup> , Dry: 160mm <sup>3</sup>
Compression Set (ASTM D395B)	22 hrs @ 70C (158F): 25% max.
Heat Aging (ASTM D573)	70 hrs @ 70C (158F) - Changed: Hardness: + 10 points max., Tensile: - 25% max., Elongation: -25% max.
Tear Resistance	Outstanding
Ozone Resistance	Poor
Impermeability to Gases	Good

<b>Resistance to Dilute Acid</b>	<b>Fair</b>
<b>Resistance to aromatic hydro-carbons</b>	<b>Poor</b>
<b>Heat Aging</b>	<b>Fair</b>

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**N.B.** The information presented may differ from practice. We recommend conducting tests according to the conditions of use. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products. The data is subject to certain variations without notice.