

New Materials Meet/Exceed AMS 7257C Requirements

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Rainier Rubber Company's ALLCHEM R2470-75 seal material is the newest member in the company's growing line of perfluoroelastomers. These compounds handle the continued exposure to high temperatures above 600°F while providing near universal chemical resistance.

High temperatures and varied media environments characterize typical applications for AMS 7257C. Generally these sets of circumstances are common in areas such as: Gas Turbine engine lubrication systems, Bleed air management systems, Ducting systems, High temperature propulsion units utilizing NTO, MMH, JP4 and other strong oxidizers and propellants. Customers often specify a material that exceeds AMS 7257C standards when the environment demands extreme performance.

Rainier Rubber Company's ALLCHEM R2470-75 exceeds the requirements for AMS 7257C.

Property	AMS 7257C	R2470-75
Original Properties, ASTM D1414, D2240		
Hardness, Pts	75	77
Tensile Strength, PSI	1500	2635
Elongation, %	120	167
Oven Aging, 70 hrs @ 554F, ASTM D573		
Change in Hardness	-5 to +5	+1
Change in Tensile Strength, %	-20%	+13.5%
Change in Elongation, %	-5%	+21.6%
Compression Set, 70 hrs @ 446F, ASTM D395	40%	26.6%

For additional information contact the Rainier Rubber Company at 1-800-325-2828, info@rainierrubber.com, or visit the companies website at www.rainierrubber.com