



We make it *possible*

ANALYSE VIBRO-ACOUSTIQUE



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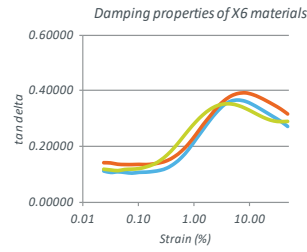
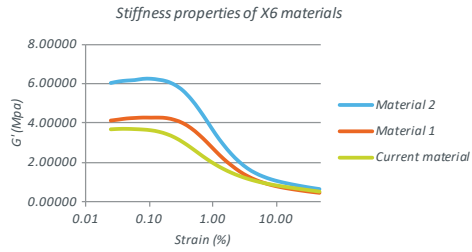


Silicone Fatigue Life

Endurance improvement

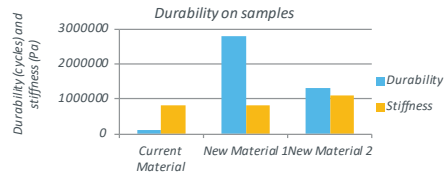
New material for tail rotor damper

Material stiffness range



Durability

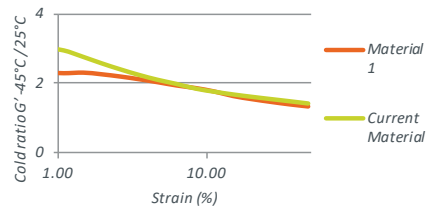
Technical breakthrough



Durability on demonstrators		
Condition	Current material Life / Starting cracking criteria (kcycles)	New material 1 Life / Starting cracking criteria (kcycles)
6 +/- 1 mm	10 000	
6 +/- 2 mm	250	4 500 without cracks
6 +/- 3 mm	94	2 400

Cold properties

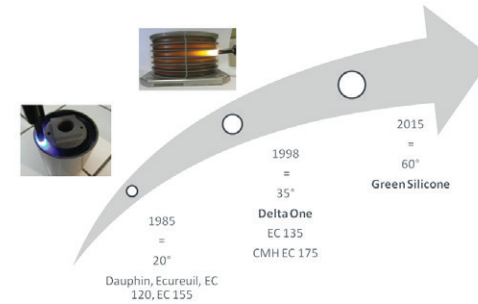
Same properties as the reference



Silicone Green Material

High Damped Silicone

History of damping material



Status

Reference	Current material	PDMS	Green Silicone
Damping @ 10%	20° - 35°	5° - 10 - 20°	40 - 55°

Silicone lab and silicone production unit are used to develop and make Green Silicone

Association of mixing process and chemistry

