



ADIPRENE® PP & ADIPRENE® LFP INDUSTRY LEADING SYSTEMS FOR HIGH PERFORMANCE WHEELS

LANXESS Urethane Systems offers a complete line of pPDI based technology for demanding applications such as roller coaster, automation, forklift and transpallet wheels.

✓ Key Benefits

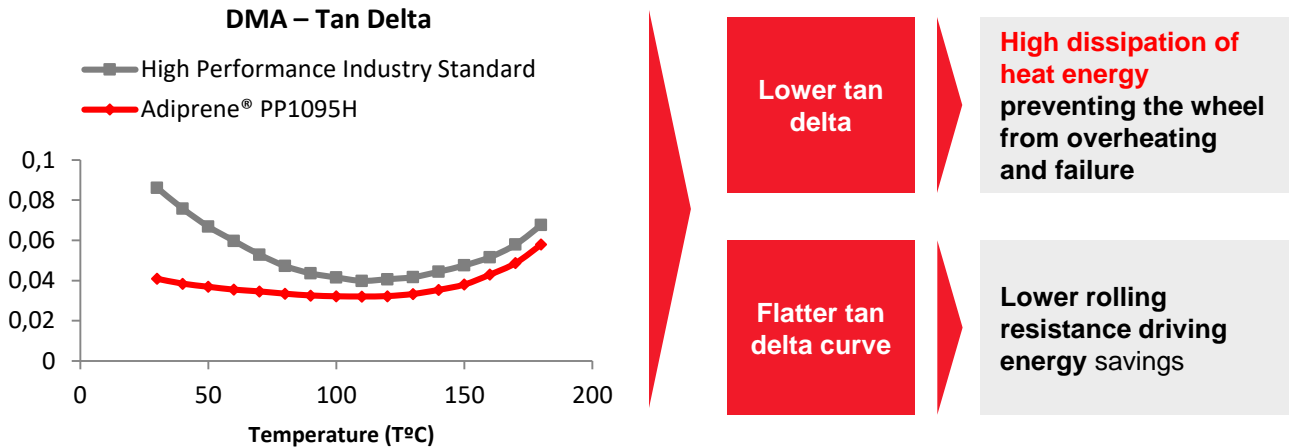
- Outstanding **dynamic properties** stable over a broad temperature range
- Great **fatigue** resistance
- **Low hysteresis**
- **Easy processing & Improved EH&S conditions (Low-Free material)**

	Adiprene® PP 1095H	Adiprene® PP 1096H	Adiprene® LFP C380	Adiprene® LFP E740
Physical Properties	Vibracure® A 250			
Hardness, Shore A or D (DIN 53505)	94 A	92 A	95 A	58 D
Strain at Break, % (DIN 53504-s2 Die C)	747	652	610	427
Tear Strength no nick, kN/m (DIN 53515 - angled)	125	109	110	116
Tear Strength with nick, kN/m (DIN 53515 - angled)	89	51	51	81
Rebound Resilience, % (DIN 53512)	73	73	73	56
Compression set 70°C x 24 Hours, % (DIN 53517)	29	14	41	45

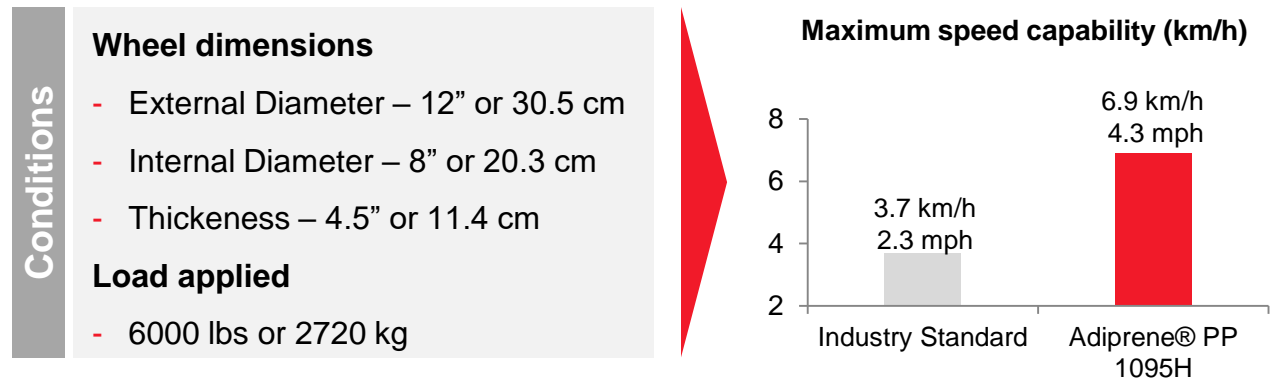
Ⓢ Caprolactone based material for **better hydrolysis resistance**



Low Tan Delta and Flat Tan Delta curve shape confirm superior dynamic properties of pPDI based systems



Adiprene® PP 1095H wheels bear higher speed at medium stain



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