

Solvay Booth #7310 | Offshore Technology Conference 2018

Solvay introduces next-generation Solef® PVDF to enhance protection and performance of rigid and flexible pipes used in oil and gas recovery

Alpharetta, Ga., April 30, 2018 --- Solvay, a leading global supplier of specialty polymers, introduced Solef® 90615/2002 polyvinylidene fluoride (PVDF) today at the Offshore Technology Conference in Houston, Tex. This new high-performance polymer is designed to improve the capabilities of steel pipes, flexible risers and flowlines used in oil and gas recovery. Combining high ductility, thermal stability up to 150°C (302°F) and exceptional resistance to oilfield chemicals and fluids, Solef® 90615/2002 PVDF delivers reliable performance despite the high temperatures and pressures required for oil transmission in onshore and offshore environments.

“Solef® 90615/2002 PVDF introduces a unique combination of high-performance properties that can help expand design options, improve the lifetime of oil and gas assets, and lower operating costs over the lifetime of the pipe,” said Mike O’Brien, oil and gas market manager for Solvay’s global Specialty Polymers business unit.

Liners made from Solef® 90615/2002 PVDF are easily inserted into steel pipes due to the material’s high ductility and elasticity. Once inserted, the PVDF liner’s high chemical resistance helps slow corrosion, while its low-stick, ultra-smooth surface supports more consistent flow rates and flow assurance over time. Solvay’s new PVDF grade also reduces the need for corrosion inhibitors, antibacterial agents and other additives. The polymer’s excellent thermo-mechanical properties and resistance to permeation of gases, such as methane and hydrogen sulfide, further promote long-term liner integrity.

Solef® 90615/2002 PVDF’s ductility also offers benefits in flexible pipes as a pressure sheath material, particularly in high-pressure applications. It delivers reliable performance across temperatures ranging from 30°C to 150°C (-22°F to 302°F), reducing the risk of rupture during installation in colder climates and expanding options for use in newly drilled, hotter fields. The material can also resist blistering in rapid gas decompression up to 1500 bar.

® Solef is a registered trademark of Solvay.

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Solvay

Solvay is an advanced materials and specialty chemicals company, committed to developing chemistry that address key societal challenges. Solvay innovates and partners with customers worldwide in many diverse end markets. Its products are used in planes, cars, batteries, smart and medical devices, as well as in mineral and oil and gas extraction, enhancing efficiency and sustainability. Its light-weighting materials promote cleaner mobility, its formulations optimize the use of resources and its performance chemicals improve air and water quality. Solvay is headquartered in Brussels with around 24,500 employees in 61 countries. Net sales were €10.1 billion in 2017, with 90% from activities where Solvay ranks among the world's top 3 leaders, resulting in an EBITDA margin of 22%. Solvay SA ([SOLB.BE](#)) is listed on Euronext Brussels and Paris (Bloomberg: [SOLB.BB](#) - Reuters: [SOLB.BR](#)) and in the United States its shares (SOLVY) are traded through a level-1 ADR program.

Solvay Specialty Polymers

Solvay Specialty Polymers manufactures over 1500 products across 35 brands of high-performance polymers – fluoropolymers, fluoroelastomers, fluorinated fluids, semi-aromatic polyamides, sulfone polymers, ultra-high performance aromatic polymers, and high-barrier polymers – for use in Aerospace, Alternative Energy, Automotive, Healthcare, Membranes, Oil and Gas, Packaging, Plumbing, Semiconductors, Wire & Cable, and other industries. Learn more at www.solvayspecialtypolymers.com.

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