

Technical Data Sheet

OilPlus™ Proppants

Description



OilPlus™ proppants are an advanced curable resin coated fracturing sand available in 16/30, 20/40, 30/50, and 40/70 mesh sizes. OilPlus proppants are specifically designed for fracturing treatments in oil and liquid-rich reservoirs. Hexion's unique resin coating system increases the relative permeability to oil in the proppant pack, resulting in higher oil production compared to all conventional proppant types.

Typical Applications

Fracture treatments:

At closure stress up to:

- 8,000 psi [55 MPa] (16/30)
- 10,000 psi [69 MPa] (20/40, 30/50 and 40/70)

At bottom-hole static temperatures from 120 - 450F [49 - 232°C]

Technical Advantages and Benefits

- Optimized well production for oil and liquid-rich reservoirs
- Increases the relative permeability to oil in the proppant pack
- Proppant flowback control
- Proppant fines reduction
- Cyclic stress resistance
- Minimizes proppant embedment
- Reduces respirable silica dust exposure below PEL limits

Typical Properties

OilPlus™ Proppants

<https://www.hexion.com/en-US/product/oilplus>

Generated: January 17, 2022

Issue Date:

Revision:

® and ™ Licensed trademarks of Hexion Inc.

The information provided herein was believed by Hexion Inc. ("Hexion") to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. All products supplied by Hexion are subject to Hexion's terms and conditions of sale. **HEXION MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY HEXION**, except that the product shall conform to Hexion's specifications. Nothing contained herein constitutes an offer for the sale of any product.

Property	Value	Unit
Specific Volume	0.383 [0.0459], 0.391 [0.0469], 0.385 [0.0461], 0.386 [0.0463]	cm ³ /g [gal/lb]
API Mesh Size	16/30, 20/40, 30/50, 40/70	
Bulk Density	1.47 [12.3], 1.46 [12.2], 1.45 [12.1], 1.45 [12.1]	g/cm ³ [lb/gal]
Color	brown	
Compatibility	Fully compatible with most commonly used fracturing fluids, both water and oil-based systems. Testing with fluids prior to pumping is advised.	
Composition	resin coated, northern white frac sand	
Median Particle Diameter	0.9116, 0.6177, 0.4382, 0.3042	mm
Particle Size Distribution	meets or exceeds API RP 19C	
Physical State	solid granule	
Pipe Fill Factor	0.680 [0.0815], 0.685 [0.0821], 0.690 [0.0827], 0.690 [0.0827]	cm ³ /g [gal/lb]
Resin Type	thermosetting, curable	
Solubility in Water, Brine & HCl	0.0	weight %
Solubility in HCl/HF acid, API RP 19C	< / = 3	weight %
Solubility In Oil	0.0	weight %
Specific gravity	2.61, 2.56, 2.60, 2.59	
Turbidity	< 250	NTU (FTU)

Technical Considerations

- Grain-to-grain contact must occur and closure stress must be applied during the cure period for proper bonding
- Consolidation of curable product at bottom-hole static temperatures below 120°F [49°C] is achieved by use of our AcTivator™ low temperature consolidation aid

Contact Information

Hexion
Oilfield Technology Group
15366 Park Row
Houston, Texas 77084 USA
+1 281 646 2800
www.hexion.com/oilfield

Customer Service
+1 800 626 2116
otg.customerservice@hexion.com

Technical Inquiries
otg.customerservice@hexion.com

OilPlus™ Proppants
<https://www.hexion.com/en-US/product/oilplus>

Generated: January 17, 2022
Issue Date:
Revision:

© and ™ Licensed trademarks of Hexion Inc.

The information provided herein was believed by Hexion Inc. ("Hexion") to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. All products supplied by Hexion are subject to Hexion's terms and conditions of sale. **HEXION MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY HEXION**, except that the product shall conform to Hexion's specifications. Nothing contained herein constitutes an offer for the sale of any product.