

PRODUCT DESCRIPTION

PE HD03490 NP is a high density 1-hexene copolymer with a bimodal molecular weight distribution providing excellent processability and superior mechanical properties. The grade combines high stiffness and long-term strength with outstanding creep resistance. It is produced by the same technology as PE100.

TYPICAL APPLICATIONS

PE HD03490 NP is natural pipe grade used for Extrusion of non-pressure pipes and fittings for water supply.

| Properties | Conditions | Method | Typical values* | Units |
|--------------------------------------|-------------|-------------|-----------------|-------------------|
| Rheology | | | | |
| Melt Flow Rate | 190 °C/5 kg | ISO 1133-1 | 0.3 | g/10 min |
| Physical | | | | |
| Density | | ISO 1183-1 | 0.949 | g/cm ³ |
| Volatile Content | | EN 12099 | ≤350 | mg/kg |
| Mechanical | | | | |
| Tensile Stress at Yield | | ISO 527-1 | 24 | MPa |
| Tensile Strength at Break | | ISO 527-1 | 35 | MPa |
| Elongation at Break | | ISO 527 | >1200 | % |
| Flexural Modulus | | ISO 178 | >850 | MPa |
| Thermal | | | | |
| Vicat Softening Point | 10 N | ISO 306 | 126 | °C |
| OIT | 210 °C | ISO 11357-6 | >20 | min |
| Hydrostatic | | | | |
| Resistance to slow crack propagation | | ISO 13479 | >1000 | hour |

*The values given are typical values measured on the product. These values should not be considered as specification.

REACH Statement

Polymers are exempt of REACH registration. However, their raw materials which mean monomers and relevant additives have been registered.

PJSC «Sibur Holding» (and its subsidiaries) is committed to fully respect REACH legislation and to use only REACH compliant raw materials.

Safety

See MSDS

Contact

PJSC «Sibur Holding»

Basic Polymers Division
3-16, Krzhizhanovskogo St.
117997, Moscow, Russian Federation
Tel.: ++7 495 7775500
E-mail: servicedbp@sibur.ru

European Sales Office

Sibur International GmbH
Prinz Eugen Straße 8-10
1040, Vienna, Austria
Tel.: ++43 1 370 8000
E-mail: polyolefins@sibur-int.com

Turkey Sales Office

SIBUR International Trading Istanbul
EGS Business Park, B1 Blok, Kat.9, No.318 Yeşilköy,
Bakırköy
Istanbul, Turkey
Tel: ++90 212 465 2321
E-mail: polyolefins@sibur-int.com

Chinese Sales Office

SIBUR International Trading (Shanghai)Co., Ltd
Rm.62T70, SWFC, Century Ave.100 Pudong New
Area, 200120, Shanghai, China
Tel: ++86 021 2206 5066 ext 215
E-mail: serviceCN@sibur-int.com

STAVIAN®

The product(s) mentioned herein are not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications. To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication, however we do not assume any liability whatsoever for the accuracy and completeness of such information. PJSC «Sibur Holding» (and its subsidiaries) makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.

It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products. No liability can be accepted in respect of the use of any PJSC «Sibur Holding» (and its subsidiaries) product in conjunction with any other products and/or materials. The information contained herein relates exclusively to our products when not used in conjunction with any other material unless as specifically provided for in the test methods stated above.