



**Polyethylene**  
**Stamylex™ 2H280**

### Description

**Stamylex 2H280** is a polyethylene homopolymer produced in a solution polymerization process using a Ziegler-Natta catalyst.

**CAS-No.** 9002-88-4

### Applications

**Stamylex 2H280** Demonstrated applications include:

Feedstock polymer for grafting typically for rotational moulding goods.

### Additives

**Stamylex 2H280** contains processing stabilizers

### Special Features

**Stamylex 2H280** is optimised to deliver:

Good flow properties

High stiffness

### Physical Properties

Property	Typical Value	Test Method
Data should not be used for specification work		
Density (23 °C)	966 kg/m <sup>3</sup>	ISO 1183
Melt Flow Rate (190 °C/2,16 kg)	25 g/10min	ISO 1133
Melting temperature (DSC)	134 °C	ISO 11357-3
Vicat softening temperature (10 N)	130 °C	ISO 306
Hardness, Shore D	75	ISO 868

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### **Storage**

**Stamylex 2H280** This polymer, like most polymers, is combustible so the usual precautions concerning ignition sources should be taken in warehouses and storage rooms. Where large quantities are kept in store, it is necessary to observe the normal rules for orderly stock control and it is recommended to use the first in – first out (FIFO) principle for stock planning. The products should be stored in a dry and clean facility to prevent contamination and not be exposed to direct sunlight as this may lead to quality deterioration. These materials have a shelf life of at least 3 (three) years after date of production, provided the material remains in its original unopened packaging and are stored under the storage conditions as described in this document. “Shelf life” means that there will not be any substantial difference compared to the agreed specification. The date of batch creation can be derived from the batch code printed on the bags representing. YYMMDDHLL (LL being two letters with no reference to the production time). Borealis Plastomers generally does not sell prime material older than 2 (two) years unannounced.

### **Related Documents**

The following related documents are available on request, and represent various aspects on the usability, safety, recovery and disposal of the product.

"Safety data sheet" / "Product safety information sheet"

Statement on chemicals, regulations and standards

General statement on compliance to food contact regulations

Statement on polymer additives and BSE