

Technical data sheet



52505

52505 is an HDPE copolymer that is manufactured in a gas phase process. This grade is an injection molding grade for applications requiring good physical properties even at low temperatures, like pails, containers, and technical moldings.

Applications:

- Caps and closures for mineral water bottles
- Caps for sparkling water and carbonated soft drinks, beverage caps

Features:

- Good physical property even at low temperatures

Resin Properties	Nominal Value (SI)	Test Method
Melt Index (190°C/ 2.16Kg)	5 g/10 min	D1238
Density	0.952 g/cm ³	D1505
Thermal Properties	Nominal Value (SI)	Test Method
Vicat Softening Temperature	124 °C	D1525
Molded Properties	Nominal Value (SI)	Test Method
Flexural Modulus	1200 MPa	D790
Notched Izod Impact (73°F (23°C))	29 J/m	D256/A
Tensile Strength at Yield	27 Mpa	D638
Tensile Strength at Break	13 Mpa	D638
H.D.T	67 °C	D648

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Supplier

Jam Petrochemical Company

Web: <http://www.jpcomplex.com>

Storage

Polyethylene products (in pelletized or powder form) should not be stored in direct sunshine or heat radiation. Ultraviolet causes changes in material properties. The Storage area should be dry and preferably don't exceed 50 °C.

Under cool, dry, and dark conditions, Jam Polymers polyolefin resins are expected to maintain the original and processing properties for at least 18 months.

JPC would not be responsible for quality diminishing as a change in color or smell caused by bad storage conditions.

It is recommended to process PE resin within six months after delivery.

Packaging

Jam Polymers Polyolefin resins are supplied in pallet form packed in 25kg bags. Alternative packaging modes are available for selected grades.