



LLDPE made via Spherilene Process



Product data sheet

LL-20516

20516 is a LLDPE injection molding grade which manufactured by gas phase process. This grade is well suited for application requiring good melt flowability during processign and good flexibility of the final items, like clousures and toys alplications.

HDPE: LL-20516

Density: 0.922

MFI: 16

Features



- Good melt flowability and good flexibility of the final items, like clousures.

Applications



- Clousures
- Toys

Additives



- Thermal Antioxidant

Material properties (This data are typical values and are not to be construed as product specifications.)

40

Resin Properties	Unit	Typical Value	ASTM Method
Melt Index	g/10'	16	D1238
Density	g/cc	0.922	D1505
Thermal Properties	Unit	Typical Value	ASTM Method
Vicat Softening Point	°C	88	D1525
Molded Properties	Unit	Typical Value	ASTM Method
Tensile Strenght at Yield	Mpa	12	D638
Tensile Strenght at Break	Mpa	6.8	D638
Ultimate Elongation	%	200	D638
Flectural Modulus	Mpa	430	D790
Notched Izod Impact @ 23 °C	J/m	Not Broken	D256/A
Notched Izod Impact @ -50 °C	J/m	60	D256/A
H.D.T	°C	46	D648



Globally Distinguished

Handelling and Health Safety

Molten polymers could be injured skin or eye so safety glasses and appropriate gloves are suggested to prevent possible thermal injuries. Also appropriate ventilation is suggested in working by melt polymer.

Accumulation of fines or dust particles that are in this grade is not suitable because of explosion hazard probability. So adequated filters and grounding exists at all time are recommended.

Storage

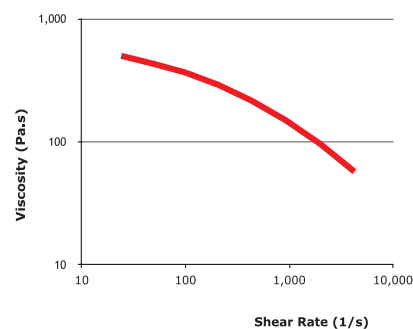
Polyethylene products (in pelletised or powder form) should not be stored in direct sunshine and/or heat radiation. Ultraviolet cause a change in the material properties. The Storage area should be dry and preferably don't exceed 50 °C. Under cool, dry, dark conditions Jam Polymers polyolefin resins are expected to maintain the original material and processing properties for at least 18 month. JPC would not responsible about quality diminishing such as color change, bad smell or ets which caused by bad storage conditions. It is better to process PE resin within 6 months after delivery.

packaging

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

- On compression molded according to ASTM D1928C
Processing Conditions
Recommended barrel tempratures range between 190 °C and 280 °C.

Shear-Viscosity @ 190 °C



41



The above values were Calculated from data for 100 µm produced on a 75mm Barrnage extruder with 190°C melt temperature using a 2:1 blow ratio and a gap die of 3.0 mm.