



## LLDPE made via Spherilene Process



### Product data sheet LL-32604/UV

32604 is a LLDPE for rotomolding which manufactured by gas phase process. This grade is suitable for all applications which need a good balance among moldability and mechanical properties together with an exceptional stress cracking resistance.

LLDPE: LL-32604/UV

Density: 0.932

MFI: 4

#### Features



- Excellent ESCR.

#### Applications



- High ESCR rotomolded items  
Chemical containers.

#### Additives



- LL-32604:  
Thermal Antioxidant
- LL-32604UV:  
Thermal Antioxidant  
UV Stabilizer

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

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Resin Properties	Unit	Typical Value	Test Method
Melt Index	g/10 min	4	D1238
Density	g/cm <sup>3</sup>	0.932	D1505
Physical Properties	Unit	Typical Value	Test Method
Flectural Modulus	Mpa	1350	D790
Notched Izod Impact @ 23 °C	J/m	NB	D256/A
E.S.C.R	h	>1000	D1693



**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**

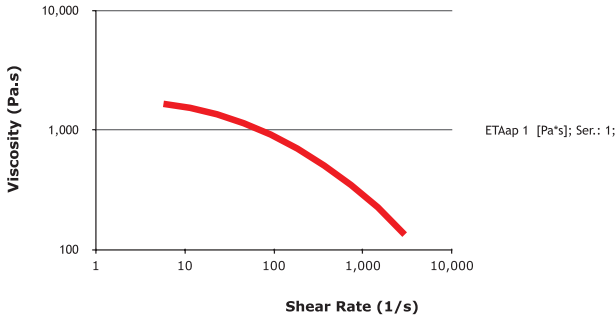
Polyethylene products (in pelletised or powder form) should not be stored in direct sunshine and/or heat radiation. Ultraviolet cause a change in the material properties. The Storage area should be dry and preferably don't exceed 50 °C. Under cool, dry, dark conditions Jam Polymers polyolefin resins are expected to maintain the original material and processing properties for at least 18 month. JPC would not resspensible 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 plet 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



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.

