

LL6130AA

Product Technical Information

LLDPE for film products

Applications

- LL6130AA is particularly suitable for high performance cast stretch film applications, in particular as a core layer in co-extruded structures.

Characteristics

LL6130AA is a linear low density polyethylene copolymer containing hexene (C6) as the co-monomer. It offers the following properties:

- High output rates
- Excellent overall film appearance and surface finish
- Very good puncture resistance

We recommend that you consult your INEOS O&P Europe technical representative for further advice on the use of LL6130AA.

| Properties | Test Methods | Value s | Units | |
|--------------------------------------|----------------------|--------------|-------------------|---------|
| Physical | | | | |
| Melt Flow Rate | ISO 1133 Condition 4 | 3 | g/10min | |
| Density (conditioning ISO 1872/1) | ISO 1183 Method D | 920 | kg/m ³ | |
| Additives: antioxidants | | | | |
| Film* | | | | |
| Dart drop impact | Method A | ASTM D1709 | 160 | g |
| Puncture resistance | | INEOS method | 30 | Ncm/μm |
| Tensile stress @ break | MD/TD | ISO 0527 | 33/25 | MPa |
| Elongation @ break | MD/TD | ISO 1184 | 600/750 | % |
| 1% Secant Modulus | MD/TD | ISO 1184 | 90/110 | MPa |
| Elmendorf tear strength | MD/TD | ASTM D1922 | 240/560 | g/25 μm |
| Haze | | ASTM D1003 | 1 | % |
| Gloss (45°) | | ASTM D2457 | 93 | % |

- Data should not be used for specification work

* 20 μm film, 150 m/min line speed, 260°C melt temperature - MD = machine direction - TD = transverse direction

November, 2009

Published by
INEOS Olefins & Polymers Europe