Manufacturer website: petrochem-ir.net

LLDPE LL0220AA

Linear Low Density Polyethylene

1) Product Description:

"LL 0220 AA" is a LLDPE copolymer with butene as comonomer which contains anti-oxidant. This grade is suitable for the production of blown film for light duty applications and for the production of cast stretch film. Film made from LL 0220 AA can be produced at higher output compared to standard 1 MFR LLDPE butene copolymers.

Neutralizer: Zinc Oxide Antioxidant: Irganox1010, Irganox168

2) Applications:

Light and medium duty film.
Stretch film.

3) Typical Data

Property	Unit	Typical Value	Test Method
Physical			
Melt Flow Rate(MFR) (190 ˚C/2.16Kg) (190 ˚C/5Kg) (190 ˚C/21.6Kg)	g/10min	2.2 ----	ISO 1133
Density	g/cm3	0.920	ISO 1183
Film Properties			
Impact Strength	gr	130	ASTM D 1709
Tear Strength TD	g/25µ	300	ASTM D1922
Tear Strength MD	g/25µ	110	ASTM D1922
Yield Stress TD	MPa	11	ISO 527
Yield Stress MD	MPa	10	ISO 527
Tensile Strength TD	MPa	28	ISO 527
Tensile Strength MD	MPa	36	ISO 527
Elongation at break TD	%	800	ISO 527
Elongation at break MD	%	600	ISO 527
Modulus of elasticity TD	MPa		ISO 527
Modulus of elasticity TD	MPa		ISO 527
Thermal Properties			
Vicat Softening Temperature	˚C	93	ISO 306
Melting Point	˚C		ISO 3146

4) Processing Condition:

Recommended melt temperature: 225 °C