Manufacturer website: petrochem-ir.net

IRAN PETROCHEMICAL COMMERCIAL CO.
(IPCC)

LLDPE LL0209 KJ or SR
Linear Low Density Polyethylene

1) Product Description:

"LL 0209KJ" is a LLDPE copolymer with butene as comonomer which contains anti-oxidant, Slip and antiblock additives. It gives film of high slip which is easily separable. It is recommended for general purpose applications. It is suitable for blending with conventional LDPE. Film made from pure LL 0209 KJ has the following advantages over conventional LDPE:
Easier sealing
Greater drawdown capability
Higher tensile strength
Higher puncture resistance

High Slip/Antiblock Grade		
Additive	**Silica**	**Talc**
Neutralizer	Calcium Stearate	Calcium Stearate
Antioxidant	Irganox1010 , Irgafos168	Irganox1010 , Irgafos168
Antiblock	Siloblock47	Talc ABT 250
Slip	Erucamide	Erucamide

2) Applications:

- refuse sacks
- produce bags, carrier bags

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	0.9 --- ---	ISO 1133
Density	g/cm^3	0.921	ISO 1183
Film Properties			
Impact Strength	gr	150	ASTM D 1709
Tear Strength TD	g/25µ	370	ASTM D1922
Tear Strength MD	g/25µ	145	ASTM D1922
Yield Stress TD	MPa	11	ISO 527
Yield Stress MD	MPa	10	ISO 527

Tensile Strength TD	MPa	32	ISO 527
Tensile Strength MD	MPa	41	ISO 527
Elongation at break TD	%	840	ISO 527
Elongation at break MD	%	620	ISO 527
Modulus of elasticity TD	Mpa		ISO 527
Modulus of elasticity TD	Mpa		ISO 527
Puncher Resistance			
Coefficient of Friction			
Thermal Properties			
Vicat Softening Temperature	˚C		ISO 306
Melting Point	˚C		

4) Processing Condition:

Recommended melt temperature: 225 °C