LL9630A

Linear Low Density Polyethylene Resin

Special Characteristics : InnoPlus LL9630A resin is a hexene co-polymer based linear low density polyethylene designed for rotational molding applications. This grade is non UV-stabilized pelletized rotational molding resin with high stiffness and an excellent balance of processability and environmental stress cracking resistance.

Typical Applications : InnoPlus LL9630A can be used to produce variety applications such as general molding, toys & playground equipments, storage containers, medium to large water tanks and chemical tanks.

Typical Properties :

Properties	InnoPlus LL9630A	Unit	Test Method
Physical Properties			
Melt Index (190 °C, 2.16 kg)	3.2	g/10 min	ASTM D1238
Density	0.938	g/cm^3	ASTM D792
Brittleness Temperature	< -70	°C	ASTM D746
Vicat Softening Point	118	°C	ASTM D1525
Mechanical Properties (Based on compression specimens)			
Tensile Strength at Yield	20	MPa	ASTM D638
Tensile Strength at Break	30	MPa	ASTM D638
Elongation at Break	1000	%	ASTM D638
Flexural Modulus	750	MPa	ASTM D790
Durometer Hardness	60	Shore D	ASTM D2240
ESCR, F_{50} (Condition A 100% Igepal)	> 1000	Hours	ASTM D1693

Processing Condition :

The recommended oven temperature is in the range of 260 - 290 °C.