

LL70600

Linear low density polyethylene compound resin

Special Characteristics : LL70600 is the linear low density polyethylene compound with excellent processing and high environmental stress cracking resistance (ESCR). This compound is designed to suit for cosmetic tube extrusion.

Typical Applications : Plastic tube extrusion for cosmetic and personal care products.

Typical Properties :

Properties	LL70600	Unit	Test Method
Physical Properties			
MFR (190°C, 2.16 KG)	0.6	g/10 min	ASTM D1238
Density	0.923	g/cm ³	ASTM D792
Melting Point	113	°C	ASTM D3418
Mechanical Properties			
Tensile Modulus	4400	kg/cm ²	ASTM D638
Tensile Strength @ Yield	130	kg/cm ²	ASTM D638
Tensile Strength @ Break	300	kg/cm ²	ASTM D638
Elongation @ Yield	17	%	ASTM D638
Elongation @ Break	620	%	ASTM D638
Flexural Modulus	3600	kg/cm ²	ASTM D790
ESCR, F50 (Condition B, 100% Igepal)	> 1000	hrs	ASTM D1693
Thermal Properties			
Heat Deflection Temperature at 0.45 MPa	52	°C	ASTM D648
Vicat Softening Temperature	102	°C	ASTM D1525

Recommendation:

- Extruder temperature: 160-180 °C
- Die temperature: 170-190 °C

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