TASNEE LD 4025AS POLYETHYLENE

DESCRIPTION

TASNEE LD 4025AS is a Low Density Polyethylene with a Melt Flow Rate of 4.0 g/10min (190°C/2.16kg).

TASNEE LD 4025AS is mainly recommended for thin-gauge with high clarity film applications. It contains both slip agent and anti-blocking additives and has a suitable molecular structure to produce film with excellent mechanical properties.

TASNEE LD 4025AS can be easily processed on all types of extruders designed for polyethylene. The melt temperature is suggested to be in the range of 150 – 190°C. Excellent properties of the film are achieved with a blow - up ratio of 2.5:1 and recommended film thickness range from 15 to 40 µm.

TYPICAL APPLICATIONS:

Shrink Film, Food Packaging Film, Blow Film and Cast Film.

PRODUCT CHARATERISTICS

Features: Anti-Blocking and Slip Additives, Good Optical Properties, Good Processability, Low Friction and Good Stiffness.

TYPICAL PROPERTIES

Physical	Method	Unit	Values
Density	ISO 1183	g/cm^3	0.925
Melt Flow Rate (190°C/2.16 kg)	ISO 1133	g/10min	4.0
Melting Temperature	ISO 3146	°C	111
Vicat Softening Temperature (A50 (50 °C/h 10N))	ISO 306	°C	92

Mechanical	Method	Unit	Values[(1)]
Tensile Modulus	ISO 527-1,-2	MPa	260
Tensile Stress @ Yield	ISO 527-1,-2	MPa	11
Tensile Strain @ Break (MD / TD)	ISO 527-1,-3	%	300 / 600
Tensile Strength (MD / TD)	ISO 527-1,-3	MPa	22 / 15
Dart Drop Impact (50 µm)	ASTM D 1709	g	100
Coefficient of Friction	ISO 8295	%	< 20

Optical	Method	Unit	Values[(1)]
Haze	ASTM D 1003	%	< 9
Gloss (20°) (60°)	ASTM D 2457	GU GU	> 60 > 105

(1) (The above properties are measured on blown film of 70µm thickness, extruded at melt temperature of 180°C and a blow up ratio of 2:1)

Note: The typical properties are not to be construed as specifications.