

# 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), recommended for mono and multilayer thin gauge blown film extrusion.

**TASNEE LD 4025AS** contains slip and anti- blocking additives and has a suitable molecular structure to produce film with excellent mechanical and optical 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, Blown Film and Cast Film.

## TYPICAL PROPERTIES

Physical	Method	Unit	Values
Density	ISO 1183	g/cm <sup>3</sup>	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 <sup>0</sup> C/h 10N))	ISO 306	°C	92
Mechanical	Method	Unit	Values <sup>(1)</sup>
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 <sup>(1)</sup>
Haze	ASTM D 1003	%	< 9
Gloss (20°)	ASTM D 2457	GU	> 60
(60°)			> 105

<sup>(1)</sup> The above properties are measured on blown film of 50 µm 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.