

Product Data Sheet

EX5

High Density Polyethylene, Film

Product Description

"EX 5" is a high density polyethylene with 1-Butene as co monomer. It is good toughness, low gel level, good too strength, good stiffness and tenacity, High molar mass.

Applications:

- Film extrusion Counter bag
- Carrier bag Wrapping films & sheets

Resin Properties	Unit	Value	Test Method
Mass density (23°C)	g/cm ³	0.959	ISO 1183
Melt Flow Rate (190°C/ 5.06kg)	(g/10 min)	1.5	ISO 1133
Melt Flow Rate (190°C/ 21.16kg)	(g/10 min)	27	ISO 1133
FRR (21.6/5)	-	19	
Impact Strength (23°C)	Mj/mm ²	7	ISO 179/1eA
Swell ratio	%	>115	MPC-test
Flexural Creep Modulus (4 Point, 1 min)	Mpa	1350	DIN 19537-2
Tensile Modulus (23°C, v=1mm/min, secant)	Mpa	1250	ISO 527
Strength at Break	Mpa	32	ISO 527
Elongation at Break	%	>600	ISO 527
Elongation at Yield	%	10	ISO 527
Softening Temperature	C	80	ISO 306
Brittle Temperature	C	<-80	ASTM D746-72
Shore D hardness		63	ISO 868
ESCR in full notch creep test (80°C, 2%Arcopal)	h@3.5 MPa	3	ISO CD 16770