

Technical Data Sheet

Category: PolyEthylene

Product name: MCH 3713

Description: MCH3313 has been manufactured using Basell Lupotech G licensed technology. Typical values; not to be construed as specifications Blown film: thickness 20 µm, extruded at melt temperature of 220°C, long stalk process, blow-up ratio 4:1

Processing: Recommended melt temperatures: 180 - 240°C, Recommended film thickness: 10 – 50 µm

Typical Applications MCH 3313 is suitable for Film, Bags. Film extrusion Blending partner, (Refuse) bags, T-shirt bags, Cover hoods

Food packaging: The above mentioned grade meets the relevant requirements of plastics directive 2002/72/EC (06-08-2002) and its amendments till directive 2008/39EC relating to plastic materials and articles intended to come into contact with foodstuffs.

Characteristics:

Property	Value	Unit	(Test Method)
Typical Properties			
Melt Flow Rate(230°C, 2.16kg)	10	dg/min	ISO 1133
MFI (190 oC /2.16Kg)	0.1	g/cm ³	ISO 60
Density(23 oC)	933	kg/cm ³	ISO 1183
Mechanical			
Tensile Modulus of elasticity	620	MPa	ISO527-1;2
Max.Tensile Strength (MD)	55	MPa	ISO 527-1;3
Max.Tensile Strength (TD)	43	MPa	ISO 527-1;3
Tensile Strain at Break (MD)	600	%	ISO 527-1
Tensile Strain at Break (TD)	600	%	ISO 527-1
Elemendorf tear strength(MD)	330	mN	ISO 6383-2
Elemendorf tear strength(TD)	2000	mN	ISO 6383-2
Failure energy	8.5	J/mm	DIN 53373
Dart Drop Impact	160	g	ASTM D 1709
Thermal			
Vicat Temperature , (A50,50 oC/h , 10 N)	116	°C	ISO 306
Melting Point	124	°C	ISO 3146
Additive :Antioxidant –Heat stabilizer			

