



Product: **Medium Density Polyethylene**

Grade: **MFI 3713**

Application: Film

Packing: 25 kg Bags

PRODUCT SPECIFICATION			
Typical Properties	Typical Value¹	Unit	Test Method
Physical			
High Load Melt Flow Index (190°C/ 21.6 kg)	13	g/10 min	ISO 1133
Density ²	0.937	g/cm ³	ISO 1183
Mechanical³			
Tensile Modulus of Elasticity	735	MPa	ISO 527-1,2
Tensile Strength (MD)	46	MPa	ISO 527-1,3
Tensile Strength (TD)	46	MPa	ISO 527-1,3
Tensile Strain at Break (MD)	550	%	ISO527-1,3
Tensile Strain at Break (TD)	650	%	ISO 527-1,3
Elmendorf Tear Strength (MD)	210	mN	ISO 6383-2
Elmendorf Tear Strength (TD)	1100	mN	ISO 6383-2
Failure Energy	7	J/mm	DIN 53373
Dart Drop Impact	120	g	ASTM D1709
Thermal			
Melting temperature	127	°C	ISO 3146
Vicat Softening Temperature (Method A/10N)	121	°C	ISO 306
Recommended Process Conditions⁴			
Extruder Barrel Temperature: 190-230°C		Blow up ratio: 3-5	
Film thickness: 10-50 µm			

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