

TOTAL Polyethylene Lumicene® M 1835

(Artificial Grass)

Metallocene Linear Low Density Polyethylene
TOTAL Refining & Chemicals

Message:

Lumicene® mPE M 1835 is designed for high performance grass yarn in contact sports applications such as football and rugby.
Lumicene® mPE M 1835 is a Metallocene based Linear Low Density Polyethylene with hexene as comonomer.
Lumicene® mPE M 1835 brings:
Improved durability (resistance to fibrillation)
Outstanding resilience
Exceptional softness
Easy processing on monofilament and slit-film lines
Lumicene® mPE M 1835 is also suitable for high quality landscaping applications. It exhibits an excellent blending-ability with LDPE, VLDPE, and LLDPE for tailored yarn formulations.

General Information			
Additive	Antioxidation		
Features	Low density		
	hexene comonomer		
	Antioxidation		
	Workability, good		
	Soft		
	Elastic		
Uses	Mixing		
	Line		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Filament extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.5	g/10 min	ISO 1133
Contractility-Yarn ¹		%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strain ² (Break)	80	%	Internal method
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	99.0	°C	ISO 306
Melting Temperature	109	°C	ISO 11357-3
Extrusion	Nominal Value	Unit	

Melt Temperature	220 - 240	°C
NOTE		
1.	EN 13844	
2.	EN 13864-A	

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Recommended distributors for this material

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