

TOTAL Polyethylene Aceso® PEM 2440

Low Density Polyethylene
TOTAL Refining & Chemicals

Message:

Aceso® PEM 2440 is a low density polyethylene made by a high pressure autoclave process without antioxidant. This grade is particularly suitable for the coating of paper, paperboard or aluminium as well as for the injection moulding process.

Aceso® PEM 2440 has been specifically designed for the manufacture of healthcare products and pharmaceutical packaging. However it is recommended to contact your local sales representative to obtain specific information and individual certificates regarding compliance to regulations.

Application examples: coating of paper, paperboard, aluminium.

General Information			
Features	Low density		
Uses	Coating application		
	Drug packaging		
	Medical/nursing supplies		
	Paper coating		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Extrusion coating		
	Injection molding		

Physical	Nominal Value	Unit	Test Method
Density	0.924	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ISO 1133

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	250	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	11.0	MPa	ISO 527-2
Fracture	13.0	MPa	ISO 527-2
Tensile Strain (Break)	550	%	ISO 527-2

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	95.0	°C	ISO 306
Melting Temperature	111	°C	ISO 11357-3

Extrusion	Nominal Value	Unit
Melt Temperature	200 - 320	°C
Die Temperature	260 - 320	°C

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Recommended distributors for this material

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