TOTAL Polyethylene Aceso® PEM 1870

Low Density Polyethylene

TOTAL Refining & Chemicals

Message:

Aceso® PEM 1870 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 1870 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	0.918	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.5	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	170	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	9.00	MPa	ISO 527-2
Fracture	12.0	MPa	ISO 527-2
Tensile Strain (Break)	450	%	ISO 527-2
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	90.0	°C	ISO 306
Melting Temperature	108	°C	ISO 11357-3
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	200 - 320	°C	
Die Temperature	260 - 320	°C	

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China