

Spartech Polycom PE4325

High Density (HMW) Polyethylene
Spartech Polycom

Message:

Spartech Polycom PE4325 is a high density (HMW) polyethylene product, which contains 25% mica filler. It can be processed by blow molding, sheet extrusion molding or thermoforming, and is available in North America. Typical application areas are: automotive industry.

Features include:

- high molecular weight
- Good dimensional stability
- Good stiffness
- Impact resistance

General Information	
Filler / Reinforcement	Mica filler, 25% filler by weight
Features	Good dimensional stability
	Rigid, good
	High molecular weight
	Impact resistance, good
Uses	Application in Automobile Field
Forms	Particle
Processing Method	Blow molding
	Sheet extrusion molding
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.3	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.5	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	6.0	%	ASTM D638
Fracture	10	%	ASTM D638
Flexural Modulus - Secant	1520	MPa	ASTM D790
Flexural Strength	44.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256
Dart Drop Impact			ASTM D3029
-30°C	0.452	J	ASTM D3029
23°C	2.82	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648

0.45 MPa, not annealed	102	°C	ASTM D648
1.8 MPa, not annealed	51.7	°C	ASTM D648

Additional Information

Flexural Modulus, ASTM D790, Tangent: 290000 psi

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

