

Total Lacqrene® 9218 Polystyrene (discontinued **)

Category : Polymer , Thermoplastic , Polystyrene (PS)

Material Notes:

LACQRENE® 9218 is a polystyrene modified with polyethylene. This combination gives a high level of stress crack resistance with excellent mechanical properties and good abrasion resistance. This grade has the same mechanics properties as a PE but can be injected on a PS equipment. Application: Food contact: Packaging for aggressive foodstuffs. Information provided provided by Total Petrochemicals. Total Petrochemicals includes former Fina and Atofina plastics product lines.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-Lacqrene-9218-Polystyrene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.00 g/cc	0.0361 lb/in ³	ISO 1183
Water Vapor Transmission	1.00 - 3.00 g/m ² /day	0.0644 - 0.193 g/100 in ² /day	38°C at 90% RH, On 300 micron film; ISO 1195
Melt Flow	5.0 g/10 min @Load 5.00 kg, Temperature 200 °C	5.0 g/10 min @Load 11.0 lb, Temperature 392 °F	ISO 1133H

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa	2900 psi	ISO 527-2
Elongation at Break	100 %	100 %	ISO 527-2
Flexural Modulus	1.00 GPa	145 ksi	ISO 178
Izod Impact, Notched (ISO)	37.0 kJ/m ²	17.6 ft-lb/in ²	ISO 180/1A
	15.0 kJ/m ² @Temperature -30.0 °C	7.14 ft-lb/in ² @Temperature -22.0 °F	ISO 180/1A
Tear Strength, Total	30.0 N	6.74 lb (f)	Perpendicular (On 300 Micron film notched perpendicular to the extrusion direction); ISO 34C

Thermal Properties	Metric	English	Comments
Vicat Softening Point	100 °C	212 °F	10N (T° increase = 50°C/h); ISO 306A50

Descriptive Properties	Value	Comments
Loss of Elongation	0-5%	Test related to AGK31

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China