

Technical Data

Product Description

Ronfalin® VE820 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Important attributes of Ronfalin® VE820 are:

- Flame Rated
- RoHS Compliant
- Good Processability

Typical application of Ronfalin® VE820: Lighting Applications

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet (English)
UL Yellow Card ²	• E132739-222156
Search for UL Yellow Card	• Perrite • Ronfalin®
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Features	• Good Processability
Uses	• Lighting Fixtures
RoHS Compliance	• RoHS Compliant

Physical	Nominal Value Unit	Test Method
Density	1.21 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	20 g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.60 %	
Mechanical	Nominal Value Unit	Test Method
Tensile Stress (Yield)	46.0 MPa	ISO 527-2/50
Flexural Modulus	2250 MPa	ISO 178
Impact	Nominal Value Unit	Test Method
Notched Izod Impact Strength	16 kJ/m ²	ISO 180/1A
Hardness	Nominal Value Unit	Test Method
Ball Indentation Hardness	90.0 MPa	ISO 2039-1
Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature		
0.45 MPa, Unannealed	94.0 °C	ISO 75-2/B
1.8 MPa, Unannealed	84.0 °C	ISO 75-2/A
Vicat Softening Temperature	96.0 °C	ISO 306/B50
Electrical	Nominal Value Unit	Test Method
Surface Resistivity	1.0E+16 ohm	IEC 60093
Electric Strength	> 25 kV/mm	IEC 60243-1
Comparative Tracking Index (Solution A)	> 600 V	IEC 60112
Flammability	Nominal Value Unit	Test Method
Flame Rating (1.60 mm)	V-0	UL 94

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL Prospector continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

³ Typical properties: these are not to be construed as specifications.



Where to Buy

Supplier

Perrite

Warrington, Cheshire United Kingdom
Telephone: +44-1925-810608
Web: <http://www.jgp-perrite.co.uk/>

Distributor

RESINEX Group

RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.
Telephone: +32-14-672511
Web: <http://www.resinex.com/>
Availability: Europe

