

ADDILENE® J 490 M20 F

Polypropylene Copolymer
ADDIPLAST

PROSPECTOR®

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Technical Data

Product Description

ADDILENE® J 490 M20 F is a Polypropylene Copolymer (PP Copolymer) material filled with 20% mineral. It is available in Africa & Middle East, Asia Pacific, Europe, or Latin America.

Important attributes of ADDILENE® J 490 M20 F are:

- Flame Rated
- Flame Retardant

Typical applications include:

- Electrical/Electronic Applications
- Automotive
- Industrial Applications

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet (English)
UL Yellow Card ²	• E175195-226279
Search for UL Yellow Card	• ADDIPLAST
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America
Filler / Reinforcement	• Mineral, 20% Filler by Weight
Additive	• Halogen
Features	• Flame Retardant • Halogenated
Uses	• Connectors • Electrical/Electronic Applications • Industrial Applications

Physical	Nominal Value Unit	Test Method
Density	1.34 g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10 g/10 min	ISO 1133
Mechanical	Nominal Value Unit	Test Method
Tensile Stress (Break)	21.0 MPa	ISO 527-2
Tensile Strain (Break)	11 %	ISO 527-2
Flexural Modulus	2600 MPa	ISO 178
Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength	3.5 kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	37 kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength	3.5 kJ/m ²	ISO 180/1A
Hardness	Nominal Value Unit	Test Method
Shore Hardness (Shore D)	70	ISO 868
Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature 1.8 MPa, Unannealed	62.0 °C	ISO 75-2/Af
Vicat Softening Temperature	151 °C	ISO 306/A50
Melting Temperature (DSC)	165 to 168 °C	ISO 3146
Electrical	Nominal Value Unit	Test Method
Surface Resistivity	1.0E+13 ohms	IEC 60093
Volume Resistivity	1.0E+15 ohms·cm	IEC 60093
Electric Strength	43 kV/mm	IEC 60243-1
Comparative Tracking Index (Solution A)	> 600 V	IEC 60112
Flammability	Nominal Value Unit	Test Method
Flame Rating (1.6 mm, ALL)	V-0	UL 94
Glow Wire Ignition Temperature	960 °C	IEC 60695-2-13



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Flammability	Nominal Value Unit	Test Method
Oxygen Index	27 %	ISO 4589-2

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.



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Where to Buy

Supplier

ADDIPLAST

Saint-Pal-de-Mons, France

Telephone: +33-4-71-75-10-90

Web: <http://www.addiplast.com/>

Distributor

Please contact the supplier to find a distributor for ADDILENE® J 490 M20 F

