

ADDILENE J 490 M40 S

Polypropylene

ADDIPLAST

Message:

ADDILENE J 490 M40 S is a Polypropylene material filled with 40% mineral. It is available in Africa & Middle East, Asia Pacific, Europe, or Latin America. Important attributes of ADDILENE J 490 M40 S are:

Flame Rated

Flame Retardant

Typical applications include:

Electrical/Electronic Applications

Housings

Industrial Applications

General Information			
Filler / Reinforcement	Mineral,40% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogenated		
Uses	Connectors		
	Electrical Housing		
	Industrial Applications		
Forms	Pellets		
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)	12	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	72		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	24.0	MPa	ISO 527-2
Tensile Strain (Break)	7.0	%	ISO 527-2
Flexural Modulus	3800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	2.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	20	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength	2.5	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	69.0	°C	ISO 75-2/Af
Vicat Softening Temperature	152	°C	ISO 306/A50
Melting Temperature (DSC)	165	°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	42	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-2		UL 94
Glow Wire Ignition Temperature	960	°C	IEC 60695-2-13
Oxygen Index	23	%	ISO 4589-2

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