



Maxxam™ FR WC 0521-48 R1 RoHS

Polypropylene

Key Characteristics

Product Description

Maxxam FR WC 0521-48 R1 RoHS is a RoHS compliant flame retardant polyolefin compound characterized by low smoke development and good processability. Designed for thin-wall extrusion applications.

General

Material Status	• Commercial: Active
Regional Availability	• North America
Features	• Flame Retardant • Halogen Free
Uses	• Wire & Cable Applications
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Extrusion

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.50	1.50	ASTM D792
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ^{2, 3} (Break)	2000 psi	13.8 MPa	ASTM D412
Tensile Elongation ^{2, 3} (Break)	320 %	320 %	ASTM D412
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Dielectric Constant ⁴ 0.0850 in (2.16 mm), 1 MHz	3.06	3.06	ASTM D150
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Oxygen Index	31 %	31 %	ASTM D2863

Additional Information

UL Yellow Card approval for Plenum cable compounds - Component (E203704).

Notes

¹ Typical values are not to be construed as specifications.

² 20 in/min (510 mm/min)

³ From extruded tape 3:1 drawdown ratio. Tensile and elongation values are largely determined by processing parameters of the end user.

⁴ QuadTech™ Digibridge

CONTACT INFORMATION**Americas**

United States - Avon Lake
+1 440 930 1000

United States - McHenry
+1 815 385 8500

Asia

China - Guangzhou
+86 20 8732 7260

China - Shenzhen
+86 755 2969 2888

China - Suzhou
+86 512 6823 24 38

China - Suzhou
+86 512 6265 2600

Hong Kong -
+852 2690 5332

Taiwan - Yonghe City,
+886 9396 99740, +886 2929 1849

Europe

Germany - Gaggenau
+49 7225 6802 0

Spain - Barbastro (Huesca)
+34 974 310 314



Beyond Polymers.

Better Business Solutions.™

www.polyone.com

PolyOne Americas

33587 Walker Road
Avon Lake, Ohio 44012
United States
+1 440 930 1000
+1 866 POLYONE

PolyOne Asia

No. 88 Guoshoujing Road
Z.J Hi-tech Park, Pudong
Shanghai, 201203, China
+86 21 5080 1188

PolyOne Europe

6 Giällewee
+352 269 050 35

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