



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
Density / 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