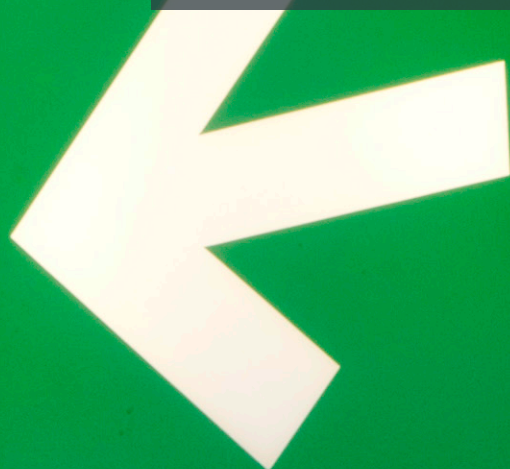




MAXXAM™ NHFR
NON-HALOGEN
FLAME RETARDANT
POLYOLEFINS



Maxxam™ NHFR Polyolefins – Homopolymers

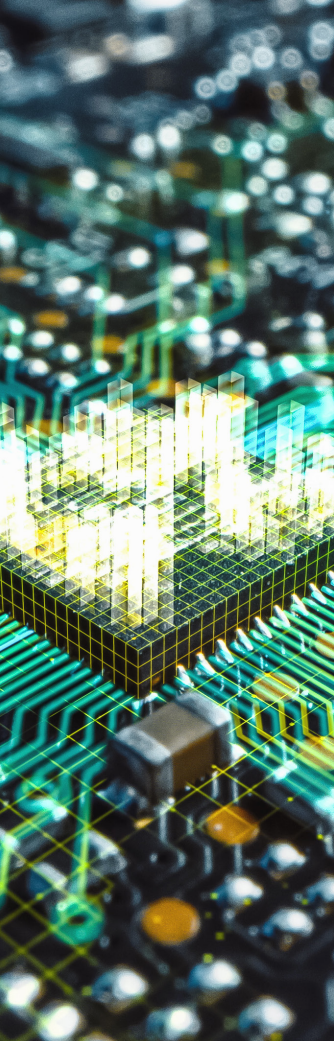
Product Name	H15 H XF V2 70	MF5200-5004 NHFR V2 HS	MF5200-5005 NHFR V2 RS H	MF5200-5006 NHFR V2 RS HS	H6 H XF V0 70	H20 H XF V0 T 70	H6 T/05 H XF V0 70	H6 T/10 H XF V0 70	H6 T/20 XF V0 T 70	H6 GF/10 XF V070	H8 GF/20 XF V0 70	H12 GF/25 H XF V0 70	H6 GF/30 XF V0 70	PE H XF V0 70
Polymer	PP													PE
Flammability	V2	V2	V2	V2	V0	V0	V0	V0	V0	V0	V0	V0	V0	V0
UL Listed	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes
Reinforcement	Unfilled	Unfilled	Talc	Talc	Unfilled	Unfilled	Talc	Talc	Talc	Glass Filled	Glass Filled	Glass Filled	Glass Filled	Unfilled
Density (g/cm3)	1.03	0.9	0.98	1.05	1.07	1.06	1.08	1.15	1.16	1.11	1.25	1.32	1.35	1
MFI, 230°C/2.16 kg	13	20	23	20	5.5	20	6	6	6	6	7	12	5.5	
E-Modulus (Tensile Modulus - Mpa)	1900	1500	2400	2600	2500	2500	2500	3000	3000	4300	6500	7500	8250	2000
Tensile Strength (Mpa)	25	30	32	30	26	20	26	25	23	55	70	75	78	20
Elongation (%)	<20	7	7	8	20	6	<20	<15	<10	4	3	3.5	3	<10
Izod Impact 23°C Notched (%)	2	3.5	4	2	2	1.5	3.5	5	2	5,5	9	8	8.5	8.5
Flammability @ Wall Thickness	V-2 (1.6 mm)	V-2 (1.6 mm)	V-2 (1.6 mm)	V-2 (1.6 mm)	V-0 (1.6 mm) 5VA (2.0 mm)	V-0 (1.6 mm) 5VA (2.0 mm)	V-0 (1.6 mm)	V-0 (1.6 mm)	V-0 (1.6 mm)	V-0 (1.6 mm)	V-0 (1.6 mm)	V-0 (1.6 mm)	V-2 (0.8 mm) V-0 (1.6 to 3.2 mm)	V-0 (1.6 mm)
GWFI @ 2mm (°C)	850	850	850	850	960	960	960	960	960	960	960	960	960	960

Disclaimer: The technical data provided here reflects the characteristic values of flame-retardant polypropylene materials and is not intended as a product specification. Please note that material properties may vary based on factors such as color and processing conditions. Users should independently evaluate the material for its suitability in specific applications.

Maxxam™ NHFR Polyolefins – Copolymers & Homopolymers and Copolymers

Product Name	C10 XF V2 70	C10 H XF V0 70	C10 H XF V0 T	C10 T/10 XF V0 70	C10 T/20 XF V0 70	C6 GF/30 H XF V0 70	C2 GF/20 XF V0 T 70	C6 GF30 H UV XF V0 70	MF5200-5008 NHFR HS NATURAL X2	GREY X2 70	GREY X3 70	GMF5200-5010 NHFR PFF BLACK
Resin Chemistry	COPO									HOMO + COPO		
Polymer	PP											
Flammability	V2	V0	V0	V0	V0	V0	V0	V0	5VA	V0	V0	5VA
UL Listed	No	No	No	No	No	Yes	No	No	No	No	No	Yes
Reinforcement	Unfilled	Unfilled	Unfilled	Talc	Talc	Glass Filled	Glass Filled	Glass Filled	Unfilled	Glass Filled	Glass Filled	Unfilled
Density (g/cm3)	1.01	1.06	1.09	1.16	1.28	1.35	1.23	1.38	1.14	1.24	1.25	1.09
MFI, 230°C/2.16 kg	7	10	10	9	10	4.5		4.5	8	4	0	7
E-Modulus (Tensile Modulus - Mpa)	1800	1500	1300	1500	2400	8000	5000	8000	2300	5250	6000	2000
Tensile Strength (Mpa)	18	15	20	15	15	60	45	60	17.5	40	45	20
Tensile Strain at Break (ISO 527-2) (%)	63	<30	<25	10	2	3.5	6	<5	6	<10	3	15
Izod Impact 23°C Notched (%)	4	7	6	7	2.5	10	13	10	3	10	9	3.5
Flammability @ Wall Thickness	V-2 (1.6 mm)	V-0 (1.6 mm)							5VA (2.0mm)	V-0 (1.6 mm) 5VA (1.5 mm) 5VA (2.0 mm)	V-0 (1.6 mm) 5VA (2.0 mm)	5VA (2.0mm)

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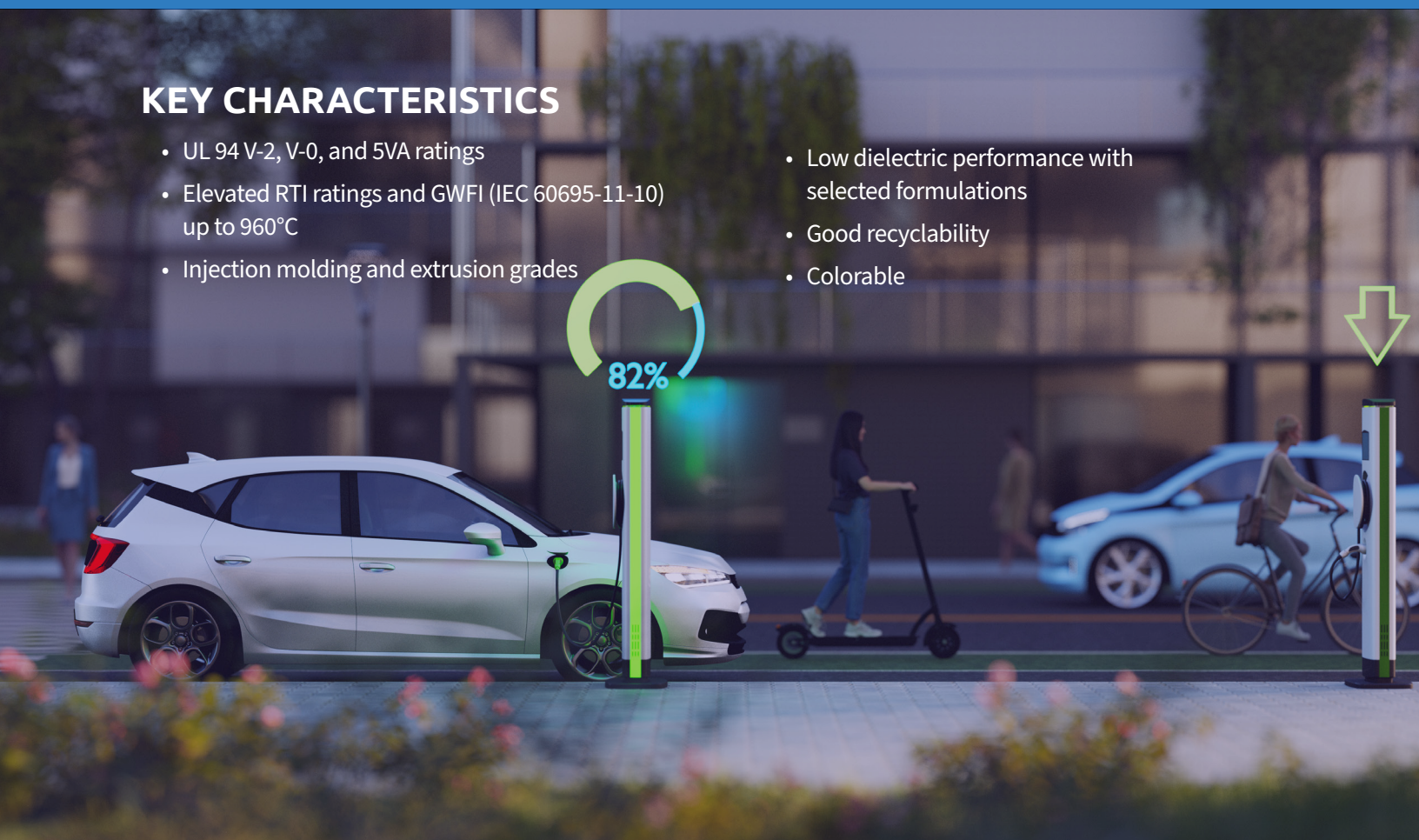
NHFR NON-HALOGEN FLAME RETARDANT POLYOLEFINS

Maxxam™ NHFR Non-Halogen Flame Retardant Polyolefins are designed to meet strict industry flammability standards. Our range includes both standard and custom solutions that comply with UL 94 V-2, V-0, and 5VA ratings, with many grades offering high Relative Thermal Index (RTI) ratings and a Glow Wire Flammability Index (GWFI) up to 960°C.

These formulations are ideal for applications in various industries, including consumer products, electronics, transportation, and industrial equipment. We also provide options for custom formulations using recycled polypropylene (PP) and polyethylene (PE).

KEY CHARACTERISTICS

- UL 94 V-2, V-0, and 5VA ratings
- Elevated RTI ratings and GWFI (IEC 60695-11-10) up to 960°C
- Injection molding and extrusion grades
- Low dielectric performance with selected formulations
- Good recyclability
- Colorable



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