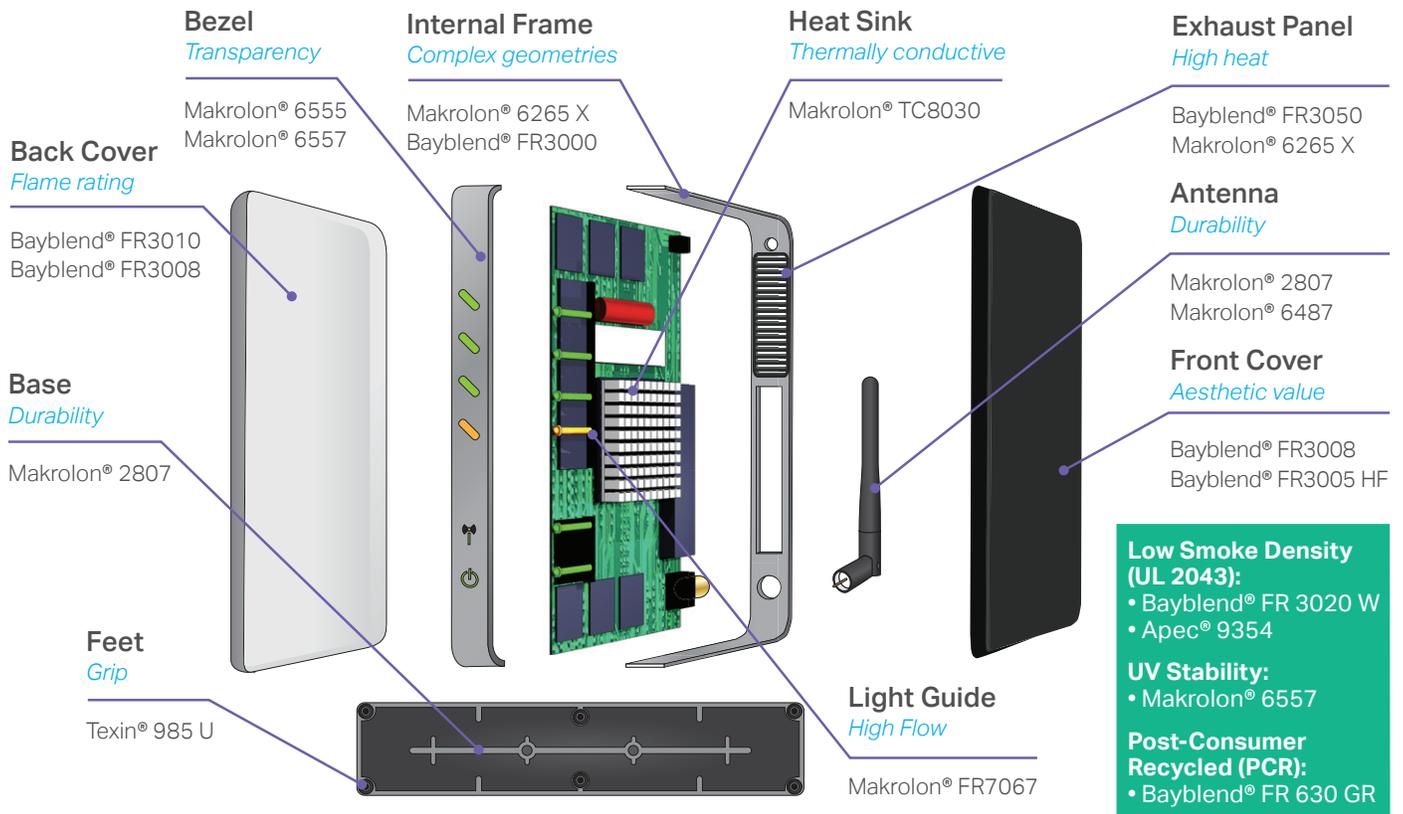


# Material Solutions for Network Devices

For network devices, Covestro offers cost-effective, brand-enhancing material solutions that meet strict material and regulatory standards.



## Additional Network Applications

- Router
- Set-Top Box
- Switch & Access Point
- Modem
- Mobile Hotspot



TRENDS	MATERIAL PERFORMANCE DEMANDS	TEST REQUIREMENTS
<ul style="list-style-type: none"> <li>- Public WiFi</li> <li>- Shift towards <u>all</u> wireless, compact devices</li> <li>- Regulation is heavy (e.g. safety, emissions)</li> <li>- Customization &amp; differentiation</li> </ul>	<ul style="list-style-type: none"> <li>- High Flame Rating</li> <li>- Easy Molding</li> <li>- Low Smoke</li> <li>- UV Stability</li> <li>- Chemical Resistance</li> <li>- Water Resistance</li> <li>- High Quality Control</li> </ul>	<ul style="list-style-type: none"> <li>- High and Low Temperature Storage</li> <li>- Connector Life</li> <li>- Drop</li> <li>- Smoke UL 2043</li> <li>- Flame UL 94</li> </ul>



## Consider these valuable services in your next innovation:

- Idea / concept / product development
- New material development
- Mold design and filling simulation
- Part consolidation, assembly advice
- Field service + troubleshooting
- Feasibility analysis and cost modeling

Let's Talk

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NETWORK DEVICES	Classification	Product Family	Grade	Melt Flow Rate ISO 1133 M: 300°C/1.2kg B FR: 240°C/15kg A: 330°C/2.16kg	Izod Notched Impact (kJ/m <sup>2</sup> ) b.o. ISO 180-A	Vicat Softening Temp (50 N, 120°C/h) ISO 306	Tensile Modulus (MPa) ISO 527-1,-2	UL 94 Rating
	Non - FR / General Purpose	Makrolon®	2807	9	85	145	2400	HB @ 2.5 mm
	FR-PC	Makrolon®	6485	9	65	145	2400	V-1 @ 0.75mm
	FR-PC	Makrolon®	6487	9	65	141	2450	V-0 @ 1.5mm
	FR-PC	Makrolon®	6265 X	19	15	146	2400	V-0 @ 1.5mm
	FR-PC/ABS	Bayblend®	FR3040	17	30	108	2700	V-0 @ 0.75mm
	FR-PC/ABS	Bayblend®	FR3050	18	55	136	2400	V-0 @ 1.5mm
	FR-PC/ABS	Bayblend®	FR3010	15	35	110	2700	V-0 @ 1.5mm
	FR-PC/ABS	Bayblend®	FR630 GR	20	35	108	2600	V-0 @ 1.5mm
	FR-PC/ABS	Bayblend®	FR3008	13	30	103	2800	V-0 @ 1.5mm
	FR-PC/ABS	Bayblend®	FR3008 HR	13	30	103	2700	V-0 @ 1.5mm
	FR-PC/ABS	Bayblend®	FR3005 HF	40	13	96	2700	V-0 @ 1.5mm
	FR-PC/ABS	Bayblend®	FR3000 HI	20	35	97	2700	V-0 @ 1.5mm
	Low Smoke Density	Bayblend®	FR3020 W	22	24	102	3200	V-0 @ 0.66mm
	FR-PC Transparent	Makrolon®	6555	10	65	145	2400	V-2 @ 1.0mm
FR-PC Transparent	Makrolon®	6557	10	65	144	2400	V-2 (CL) @ 0.75mm	
High Heat PC, Low Smoke Density-Heat Resistance	Apec®	9354	12	8	185	2400	V-0 @ 1.5mm	
Light Guides	Makrolon®	FR7067	23	12	110	2600	V-0 @ 1.5mm	
Thermally Conductive	Makrolon®	TC8030	N/A	3	147	6500	V-0 @ 2mm	



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