

Product Texts

NORYL PKN4752 resin is a non-reinforced, translucent, high heat blend of polyphenylene ether (PPE) + high impact polystyrene (HIPS). This extrudable and injection moldable grade exhibits high heat resistance, dimensional stability, and appears translucent with a yellow tint in the natural color. NORYL PKN4752 resin is an excellent candidate for high performance packaging in food, electronics, and healthcare. *See NORYL PKN4752F resin for FDA food compliant version.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3100	MPa	ISO 527
Yield stress	86	MPa	ISO 527
Strain at break	6	%	ISO 527
Flexural modulus	2950	MPa	ISO 178
Charpy notched impact strength, +23°C	2	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	2	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C, 4mm	3	kJ/m ²	ISO 180/1A
Izod notched impact strength, -30°C, 4mm	3	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, A	174	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	1080	kg/m ³	ISO 1183

Characteristics

Processing

Profile Extrusion, Sheet Extrusion

Regional Availability

Europe

Certifications

Food contact, Food approval FDA 21 CFR