

Product Texts

High flow Polyetherimide blend. Meets FAR 25.853 and OSU 65/65 with low toxicity, smoke, and flame evolution. ECO Conforming.

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	15	cm ³ /10min	ISO 1133
Temperature	340	°C	-
Load	5	kg	-

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3200	MPa	ISO 527
Yield stress	90	MPa	ISO 527
Yield strain	6	%	ISO 527
Stress at break	75	MPa	ISO 527
Strain at break	25	%	ISO 527
Flexural modulus	3200	MPa	ISO 178
Charpy notched impact strength, +23°C	7	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	6	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C, 4mm	7	kJ/m ²	ISO 180/1A
Izod notched impact strength, -30°C, 4mm	5	kJ/m ²	ISO 180/1A
Ball indentation hardness	127	MPa	ISO 2039-1

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, A	210	°C	ISO 306
Vicat softening temperature, B	200	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	200	°C	ISO 306
Thermal Conductivity	0.26	W/(m K)	DIN 52616
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (3)	3.2	mm	-

Other properties

	Value	Unit	Test Standard
Water absorption	1.25	%	Sim. to ISO 62
Humidity absorption	0.7	%	Sim. to ISO 62
Density	1320	kg/m ³	ISO 1183

Processing Recommendation Injection Molding

	Value	Unit	Test Standard
Pre-drying - Temperature	135 - 145	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	350 - 370	°C	-
Mold temperature	135 - 165	°C	-
Feed temperature	80 - 120	°C	-
Zone 1	340 - 360	°C	-
Zone 2	345 - 365	°C	-
Zone 3	350 - 370	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics

Processing

Injection Molding, Profile Extrusion

Regional Availability

Europe