

Product Texts

Improved ductility, transparent, enhanced flow Polyetherimide blend (Tg 200C) with internal mold release and enhanced ductility. ECO Conforming, UL94 V0 listed.

UL Yellow Card Link [E121562-640471](https://www.ulprospector.com/asia/121562-640471)

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	56	cm ³ /10min	ISO 1133
Temperature	360	°C	-
Load	5	kg	-
ASTM Data			
Melt Flow Index, MFI	43	g/10min	ASTM D 1238
Temperature	337	°C	-
Load	6.6	kg	-

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2500	MPa	ISO 527
Yield stress	98	MPa	ISO 527
Yield strain	7	%	ISO 527
Stress at break	80	MPa	ISO 527
Strain at break	50	%	ISO 527
Flexural modulus	3100	MPa	ISO 178
Charpy notched impact strength, +23°C	2	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C, 4mm	2	kJ/m ²	ISO 180/1A
Izod notched impact strength, -30°C, 4mm	2	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	3210	MPa	ASTM D 638
Tensile Strength at Yield	103	MPa	ASTM D 638
Tensile Strength at Break	85	MPa	ASTM D 638
Elongation at Yield	7	%	ASTM D 638
Elongation at Break	80	%	ASTM D 638
Flexural Modulus	3320	MPa	ASTM D 790
Izod Impact notched, 1/8 in	32	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	35	J/m	ASTM D 256
Temperature	-30	°C	-
Izod Impact unnotched, 1/8 in	N	J/m	ASTM D 256

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, B	192	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	195	°C	ISO 306
Burning behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Burning behav. 5V at thickness h	5VA	class	IEC 60695-11-20
Thickness tested	3.0	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (GWIT)	825	°C	IEC 60695-2-13
GWIT - thickness tested (3)	3	mm	-
ASTM Data			
DTUL @ 264 psi	173	°C	ASTM D 648
Vicat Temperature	192	°C	ASTM D 1525

Other properties

	Value	Unit	Test Standard
Water absorption	0.36	%	Sim. to ISO 62
Humidity absorption	0.08	%	Sim. to ISO 62
Density	1280	kg/m ³	ISO 1183
Density	1280	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	135	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	330 - 355	°C	-
Mold temperature	95 - 135	°C	-
Zone 1	310 - 330	°C	-
Zone 2	320 - 345	°C	-
Zone 3	330 - 355	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

Asia Pacific

Special Characteristics

Transparent