

**Product Texts**

High flow Polyetherimide blend with low toxicity, smoke and flame evolution. ECO Compliant, UL94 V0 listing in recognized colors.

UL Yellow Card Link [E121562-221074](https://www.ul.com/yellowcard/E121562-221074)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	15	cm <sup>3</sup> /10min	ISO 1133
Temperature	340	°C	-
Load	5	kg	-
<b>ASTM Data</b>			
Melt Flow Index, MFI	2.4	g/10min	ASTM D 1238
Temperature	295	°C	-
Load	6.6	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
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 impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	7	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	6	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C, 4mm	N	kJ/m <sup>2</sup>	ISO 180/1U
Izod impact strength, -30°C, 4mm	N	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	7	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength, -30°C, 4mm	5	kJ/m <sup>2</sup>	ISO 180/1A
Ball indentation hardness	127	MPa	ISO 2039-1
<b>ASTM Data</b>			
Tensile Modulus	3310	MPa	ASTM D 638
Tensile Strength at Yield	97	MPa	ASTM D 638
Tensile Strength at Break	85	MPa	ASTM D 638
Elongation at Yield	7	%	ASTM D 638
Elongation at Break	30	%	ASTM D 638
Flexural Modulus	3240	MPa	ASTM D 790
Izod Impact notched, 1/8 in	69	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	2100	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
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
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Thermal Conductivity	0.26	W/(m K)	DIN 52616
<b>ASTM Data</b>			
DTUL @ 66 psi	201	°C	ASTM D 648
DTUL @ 264 psi	187	°C	ASTM D 648
Vicat Temperature	210	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Water absorption	1.25	%	Sim. to ISO 62
Humidity absorption	0.7	%	Sim. to ISO 62
Density	1300	kg/m <sup>3</sup>	ISO 1183

Density	<b>1300</b>	kg/m <sup>3</sup>	ASTM D 792
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<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>135</b>	°C	-
Pre-drying - Time	<b>4 - 6</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>350 - 370</b>	°C	-
Mold temperature	<b>135 - 165</b>	°C	-
Zone 1	<b>340 - 360</b>	°C	-
Zone 2	<b>345 - 365</b>	°C	-
Zone 3	<b>350 - 370</b>	°C	-
Screw speed	<b>40 - 70</b>	rpm	-
Back pressure	<b>0.3 - 0.7</b>	MPa	-

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

Asia Pacific