

EUROPLEX® Sheet PPSU Protective Gear

Polyphenylsulfone

Evonik Industries AG

Message:

EUROPLEX® sheets based on the engineering polymer polyphenyl sulphone (PPSU) are employed worldwide more and more frequently to manufacture visors for the protection of fire workers at their dangerous operations during fire fighting and lifesaving.

General Information			
Features	Amorphous		
	Flame Retardant		
	Good Chemical Resistance		
	Self Extinguishing		
Forms	Sheet		
Processing Method	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	1.29	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2350	MPa	ISO 527-2
Tensile Stress	70.0 to 80.0	MPa	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	50 to 60	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	222	°C	ISO 306/B50
Maximum Service Temperature	190	°C	

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