

# EMERGE™ PC 8980-6

Advanced Resin

Trinseo

## Message:

EMERGE PC 8980 is a translucent, ignition-resistant polycarbonate. This resin contains halogen free flame retardant and is intended to comply with global environmental standards. It is designed for IR PC film and sheet extrusion.

General Information	
Additive	Flame Retardant
Features	Flame Retardant
	Halogen Free
Uses	Sheet
Appearance	Translucent
Forms	Pellets
Processing Method	Cast Film
	Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	6.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (3.20 mm, Injection Molded)	2660	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield, 3.20 mm, Injection Molded	60.0	MPa	
Break, 3.20 mm, Injection Molded	64.0	MPa	
Tensile Elongation (Break, 3.20 mm, Injection Molded)	90	%	ASTM D638
Flexural Modulus (3.20 mm, Injection Molded)	2750	MPa	ASTM D790
Flexural Strength (3.20 mm, Injection Molded)	90.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	130	°C	ASTM D648
Vicat Softening Temperature	156	°C	ASTM D1525 <sup>1</sup>
Flammability	Nominal Value		Test Method
Flame Rating (0.400 mm)	V-0		UL 94

Injection	Nominal Value	Unit
Drying Temperature	120	°C
Drying Time	4.0	hr
NOTE		
1.	Rate B (120°C/h), Loading 1 (10 N)	

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#### Recommended distributors for this material

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