

TRILOY® DM280P

Samyang Corporation - Polycarbonate + ABS

General Information

Product Description

TRILOY® is the PC based compound resin, designed to meet customer's challenging application requirements.

TRILOY® has good impact resistance, heat resistance, and excellent processability, which makes it suitable for precision parts.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Uses	• Electrical/Electronic Applications • Television Housings		

 Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.32		ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/2.16 kg)	28	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.118 in)	2.0E-3 to 4.0E-3	in/in	ASTM D955
Water Absorption (24 hr, 73°F)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	7110	psi	ASTM D638
Tensile Elongation (Yield)	5.0	%	ASTM D638
Flexural Modulus	597000	psi	ASTM D790
Flexural Strength (Yield)	12100	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.83	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	185	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.04 in		V-0	
0.08 in	•	V-0	
	•	5VB	

