

Plaslube® PC/PET IM 1016 UV

Techmer Polymer Modifiers - Polycarbonate + PET

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Impact Modifier
Features	• Impact Modified • UV Resistant
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.21		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	280000	psi	ASTM D638
Tensile Strength (Yield)	7800	psi	ASTM D638
Tensile Strength (Break)	7100	psi	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	12	ft·lb/in	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	250	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	490 to 520	°F
Middle Temperature	500 to 530	°F
Front Temperature	510 to 540	°F
Nozzle Temperature	520 to 550	°F
Processing (Melt) Temp	495 to 550	°F
Mold Temperature	125 to 200	°F
Injection Rate	Slow-Moderate	
Back Pressure	25.0 to 75.0	psi
Screw Speed	Slow	

