

Plaslube® PC / PET IM 1012

Techmer Polymer Modifiers - Polycarbonate + PET

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Impact Modifier
Features	• High Impact Resistance
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.22		ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
265°C/5.0 kg	12	g/10 min	
285°C/2.16 kg	28	g/10 min	
Water Absorption (24 hr)	0.17	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	8000	psi	ASTM D638
Tensile Elongation (Yield)	110	%	ASTM D638
Flexural Modulus	340000	psi	ASTM D790
Flexural Strength	13200	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°F, 0.125 in	8.0	ft·lb/in	
73°F, 0.125 in	15	ft·lb/in	
Instrumented Dart Impact			ASTM D3763
-40°F, Total Energy	43.1	in·lb	
73°F, Total Energy	45.3	in·lb	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	117		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	240	°F	ASTM D648
CLTE - Flow	3.5E-5	in/in/°F	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	700	V/mil	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

