

Plaslube® PC / ABS FR 6206

Techmer Polymer Modifiers - Polycarbonate + ABS

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Flame Retardant
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.16		ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/2.16 kg)	19	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 in)	5.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	8200	psi	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	390000	psi	ASTM D790
Flexural Strength (Yield)	12000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°F, 0.125 in	3.0	ft·lb/in	
73°F, 0.125 in	8.0	ft·lb/in	
Instrumented Dart Impact			ASTM D3763
-20°F, Total Energy	470	in·lb	
73°F, Total Energy	520	in·lb	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	165	°F	ASTM D648
CLTE - Flow	4.0E-5	in/in/°F	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	ASTM D257
Volume Resistivity	1.0E+18	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	V-0		UL 94

