

Estane® X-595A-11 TPU

TPU

Lubrizol Advanced Materials Spain S.L.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	22	g/10min	ASTM D 1238
Temperature	224	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Modulus at 100% Elongation	13.2	MPa	ASTM D 412
Modulus at 300% Elongation	7.85	MPa	ASTM D 412
Shore A Hardness	97	-	ASTM D 2240
Tear Strength	127	kN/m	ASTM D 624
Compression Set , 22 hr @ 73 °F	20	%	ASTM D 395
Compression Set , 22 hr @ 158 °F	50	%	ASTM D 395

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Vicat Temperature	115	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	1220	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding, Other Extrusion

Regional Availability

North America, Europe, Asia Pacific

Certifications

Food contact, Food approval FDA 21 CFR