

Softflex® 2701

TPE

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	5	g/10min	ASTM D 1238
Temperature	235	°C	-
Load	1	kg	-
Mold Shrinkage, MD	0.008	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	11.3	MPa	ASTM D 638
Elongation at Break	873	%	ASTM D 638
Modulus at 100% Elongation	1.99	MPa	ASTM D 412
Modulus at 300% Elongation	3.36	MPa	ASTM D 412
Shore A Hardness	50	-	ASTM D 2240
Tear Strength	52.2	kN/m	ASTM D 624
Taber Abrasion Resistance	0.0589	mg/1000 cycles	ASTM D 1044
Gardner Impact	27	J	ASTM D 2794,4226,5420
Compression Set , 22 hr @ 73 °F	22	%	ASTM D 395
Compression Set , 22 hr @ 158 °F	72.5	%	ASTM D 395

Other properties	Value	Unit	Test Standard
Density	994	kg/m ³	ASTM D 792

Characteristics**Regional Availability**

North America