

Pellethane® 2363-90A TPU

TPU

The Lubrizol Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	24	g/10min	ASTM D 1238
Temperature	224	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.0055	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0055	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Flexural Modulus	75.8	MPa	ASTM D 790
Modulus at 100% Elongation	11.7	MPa	ASTM D 412
Modulus at 300% Elongation	20.7	MPa	ASTM D 412
Shore A Hardness	90	-	ASTM D 2240
Tear Strength	100	kN/m	ASTM D 624
Taber Abrasion Resistance	10	mg/1000 cycles	ASTM D 1044
Compression Set , 22 hr @ 73 °F	25	%	ASTM D 395
Compression Set , 22 hr @ 158 °F	30	%	ASTM D 395

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Coefficient of Thermal Expansion, MD	157	E-6/K	ASTM D 696
Glass Transition Temperature	-30	°C	ASTM E 1356
Vicat Temperature	110	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	1140	kg/m ³	ASTM D 792

Characteristics**Features**

Low Odor

Regional Availability

North America, Europe, Asia Pacific

Certifications

US Pharmacopeia Class VI Approved