

# Pellethane® 2363-65D TPU

Type: Pellethane 2363-65D is a Thermoplastisches Polyurethan-Elastomer.

Features: USP Klasse VI<sup>(a)</sup>

Eigenschaften	Prüfmethode	Werte <sup>(1)</sup>
<b>Physikalische</b>		
Spezifisches Gewicht	ASTM D 792	1,17
Schwindung (1,6 mm dicke Platten) in Fliessrichtung, % quer zur Fliessrichtung, %		0,7–0,9 0,8–0,9
<b>Mechanische</b>		
Durometer Härte, Shore D	ASTM D 2240	62D
Zug-E-Modul bei 50% Dehnung, MPa 100% Dehnung, MPa 300% Dehnung, MPa	ASTM D 412	16,2 20,0 34,5
Zugfestigkeit, MPa	ASTM D 412	44,5
Reissdehnung, %	ASTM D 412	450
Zugverformungsrest, %	ASTM D 412	50
Weiterreissfestigkeit, KN/m	ASTM D 624	193
Druckverformungsrest 22 Stunden bei 25 °C, % 22 Stunden bei 70 °C, %	ASTM D 395 Methode B	30 35
Taber Abriebfestigkeit, 1000 g, 1000 Zyklen; H-22 Rad (grob), mg	ASTM D 1044	105
Biege-E-Modul, MPa	ASTM D 790	221
<b>Thermische</b>		
Vicat Erweichungstemperatur, °C	ASTM D 1525	107
Linearer Wärmeausdehnungskoeffizient, 10 <sup>-6</sup> mm/mm/°C	ASTM D 696	104
Glasübergangstemperatur, °C	DSC	–
<b>Rheologische</b>		
Schmelzindex, 224 °C, 5.0 kg, g/10 min	ASTM D 1238	40
<b>Verarbeitungshinweise</b>		
Empfohlene Trocknungstemperatur, °C		100–110
Empfohlene Schmelztemperatur (Spritzgiessen), °C		210–225
Empfohlene Schmelztemperatur (Extrusion), °C		205–220
Empfohlene Werkzeugtemperatur, °C		15–60

<sup>(a)</sup> Dieses Polymer wurde gemäß den Richtlinien der US Pharmakopöe XXII Klasse VI Bioverträglichkeitsprüfungen unterzogen.

<sup>(1)</sup> Typische Werte – nicht als Spezifikation auszulegen. Der Anwender hat die Ergebnisse durch eigene Tests zu bestätigen

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