

# Pellethane<sup>®</sup> 2363-80A TPU

Type: Pellethane 2363-80A es Elastómero de poliuretano termoplástico

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

Propiedades	Método de ensayo	Unidades <sup>(1)</sup>
<b>Físicas</b>		
Gravedad específica	ASTM D 792	1,12
Contracción de moldeo (placas de 1,6 mm de espesor)		
MD, %		0,5–0,6
TD, %		-0,1–0,4
<b>Mecánica</b>		
Dureza, Shore	ASTM D 2240	85A
Módulo a tracción a	ASTM D 412	
Elongación del 50%, MPa		4,8
Elongación del 100%, MPa		6,1
Elongación del 300%, MPa		10,3
Resistencia última a tracción, MPa	ASTM D 412	28,9
Elongación última, %	ASTM D 412	650
Elongación permanente después de la rotura, %	ASTM D 412	70
Resistencia al desgarre, matriz "C", KN/m	ASTM D 624	73,6
Deformación permanente a compresión	ASTM D 395	
22 horas a 25 °C, %	Method B	30
22 horas a 70 °C, %		80
Resistencia a la abrasión Taber	ASTM D 1044	
1000 g, 1000 ciclos; Rueda H-22 (granulador), mg		30
Módulo a flexión, MPa	ASTM D 790	–
<b>Térmicas</b>		
Temperatura de reblandecimiento Vicat, °C	ASTM D 1525	81,7
Coeficiente de dilatación térmica lineal, 10 <sup>-6</sup> mm/mm/°C	ASTM D 696	165
Temperatura de transición a estado vítreo, °C	DSC	-47
<b>Reológicas</b>		
Índice de fluidez, 224 °C, 1200 g, g/10 min	ASTM D 1238	10
<b>Información de proceso</b>		
Temperatura de secado recomendada, °C		80–95
Temperatura de fusión recomendada (moldeo), °C		190–205
Temperatura de fusión recomendada (extrusión), °C		190–205
Temperatura de moldeo recomendada, °C		15–60

<sup>(1)</sup> Valores característicos. No deben considerarse especificaciones. Los usuarios deben confirmar los resultados con sus propias pruebas

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